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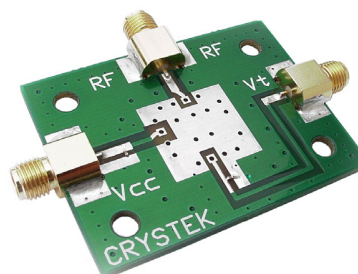
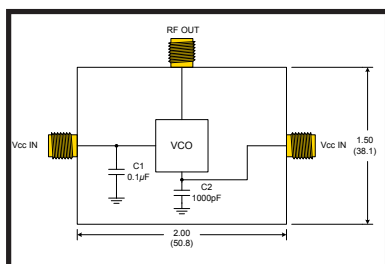
[CVCO55BE-2490-2530](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



## VCO EVALUATION BOARDS



| Part Number | Description                 |
|-------------|-----------------------------|
| CEVAL-033   | 0.3"x 0.3" VCO CVCO33 Model |
| CEVAL-055   | 0.5"x 0.5" VCO CVCO55 Model |

Crystek's VCO Evaluation boards are a turn key solution to easy stand alone testing. Evaluation boards are constructed using rigid 0.062" FR4 PCB material. Solder down connection method insures that the VCO will receive proper grounding for best testing results. Evaluation boards are available for 0.3" x 0.3" and 0.5" x 0.5" Industrial Standard VCO foot prints. Crystek also produces a line of RF Cables that can be purchased seperately to make connection to equipment an effortless task.



## Model CVCO25 VCO Selector Guide



0.250"x0.250" SMD

| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO25CL-0065-0075  | 65 to 75              | -110                                     | 0.5 to 4.5           | 8            | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO25CL-0095-0105  | 95 to 105             | -110                                     | 1.5 to 3.5           | 5            | -10                  | 10.0±1.0           | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO25CL-0160-0220  | 160 to 220            | -110                                     | 0.3 to 2.8           | 52           | -10                  | 0.0±4.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO25CL-0334-0381  | 334 to 381            | -110                                     | 0.4 to 2.6           | 25           | -15                  | 5.0±2.0            | -40 to +85          | 3.0±0.15                 | 30                          |
| CVCO25CL-0780-0820  | 780 to 820            | -111                                     | 0.5 to 4.5           | 10           | -10                  | 8.0±2.0            | -40 to +85          | 5.0±0.25                 | 12                          |
| CVCO25CL-0780-0850  | 780 to 850            | -111                                     | 0.3 to 4.7           | 20           | -10                  | 8.0±2.0            | -40 to +85          | 4.7±0.23                 | 15                          |
| CVCO25CL-0820-0870  | 820 to 870            | -111                                     | 0.5 to 4.5           | 10           | -10                  | 8.0±2.0            | -40 to +85          | 5.0±0.25                 | 12                          |
| CVCO25CL-0848-0865  | 848 to 865            | -108                                     | 1.5 to 3.5           | 30           | -10                  | 7.0±1.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO25CL-0902-0928  | 902 to 928            | -108                                     | 0.1 to 2.9           | 18           | -10                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO25CL-0913-0923  | 913 to 923            | -108                                     | 1.5 to 3.5           | 30           | -10                  | 6.0±1.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO25CL-1083-1095  | 1083 to 1095          | -108                                     | 1.5 to 3.5           | 30           | -10                  | 5.0±1.0            | -40 to +85          | 5.0±0.25                 | 15                          |



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# Model CVCO33 VCO Selector Guide

0.300"x0.300" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO33CL-0090-0100  | 90 to 100             | -112                                     | 0.5 to 4.5           | 5            | -10                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 5                           |
| CVCO33CL-0110-0120  | 110 to 120            | -112                                     | 0.0 to 5.0           | 10           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 5                           |
| CVCO33CL-0110-0150  | 110 to 150            | -110                                     | 0.0 to 5.0           | 11           | -10                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO33CL-0125-0200  | 125 to 200            | -100                                     | 0.5 to 6.0           | 14           | -15                  | 6.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO33CL-0165-0220  | 165 to 220            | -109                                     | 0.3 to 2.8           | 36           | -10                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33CL-0169-0171  | 169 to 171            | -106                                     | 0.2 to 3.0           | 10           | -10                  | 3.0±3.0            | -20 to +65          | 3.0±0.15                 | 15                          |
| CVCO33CL-0180-0200  | 180 to 200            | -110                                     | 0.3 to 3.0           | 10           | -10                  | -2.0±2.0           | -30 to +70          | 3.3±0.33                 | 15                          |
| CVCO33CL-0204-0206  | 204 to 206            | -112                                     | 1.0 to 4.0           | 11           | -12                  | -1.0±3.0           | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0225-0265  | 225 to 265            | -110                                     | 0.0 to 5.0           | 11           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO33CL-0300-0330  | 300 to 330            | -110                                     | 0.5 to 4.5           | 12           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0310-0360  | 310 to 360            | -105                                     | 0.1 to 2.9           | 25           | -15                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33CL-0320-0350  | 320 to 350            | -110                                     | 0.5 to 4.5           | 12           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33CL-0336-0340  | 336 to 340            | -106                                     | 0.2 to 3.0           | 10           | -10                  | 3.0±3.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33CL-0350-0385  | 350 to 385            | -110                                     | 0.5 to 4.5           | 12           | -12                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0380-0400  | 380 to 400            | -104                                     | 0.0 to 3.0           | 20           | -15                  | 3.0±1.5            | -40 to +85          | 3.3±0.165                | 25                          |
| CVCO33CL-0390-0410  | 390 to 410            | -105                                     | 0.5 to 4.5           | 12           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0400-0440  | 400 to 440            | -106                                     | 0.3 to 3.3           | 20           | -15                  | 3.0±2.0            | -40 to +85          | 3.3±0.165                | 16                          |
| CVCO33CL-0415-0435  | 415 to 435            | -103                                     | 0.5 to 4.5           | 12           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0421-0431  | 421 to 431            | -101                                     | 0.5 to 2.8           | 10           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO33CL-0430-0460  | 430 to 460            | -106                                     | 0.3 to 3.3           | 18           | -15                  | 3.0±2.0            | -40 to +85          | 3.3±0.165                | 16                          |
| CVCO33CL-0435-0470  | 435 to 470            | -103                                     | 0.0 to 5.0           | 10           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0453-0504  | 453 to 504            | -109                                     | 0.5 to 4.5           | 24           | -12                  | 1.0±2.0            | -40 to +85          | 2.8±0.14                 | 22                          |
| CVCO33CL-0530-0600  | 530 to 600            | -110                                     | 0.5 to 2.8           | 30           | -10                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CLT-0530-0600 | 530 to 600            | -111                                     | 0.5 to 2.8           | 30           | -10                  | 0.0±3.0            | -40 to +85          | 3.3±0.165                | 15                          |
| CVCO33CL-0559-0561  | 559 to 561            | -95                                      | 0.5 to 4.5           | 12           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-0586-0654  | 586 to 654            | -109                                     | 0.5 to 2.8           | 30           | -10                  | 0.0±3.0            | -30 to +60          | 3.0±0.15                 | 15                          |
| CVCO33CL-0620-0740  | 620 to 740            | -104                                     | 0.5 to 4.5           | 35           | -15                  | 1.0±3.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO33CL-0710-0740  | 710 to 740            | -110                                     | 0.5 to 4.5           | 12           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33CL-0720-0730  | 720 to 730            | -107                                     | 0.5 to 4.5           | 10           | -10                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33CL-0730-0750  | 730 to 750            | -110                                     | 0.5 to 2.8           | 18           | -10                  | 0.0±3.0            | -40 to +85          | 3.0±0.165                | 20                          |
| CVCO33CL-0732-0732  | 732 to 732            | -109                                     | 0.3 to 2.8           | 18           | -10                  | 0.0±3.0            | -40 to +85          | 3.3±0.165                | 20                          |
| CVCO33CL-0740-0740  | 740 to 740            | -111                                     | 0.5 to 2.8           | 8            | -20                  | 4.0±2.0            | -40 to +85          | 3.3±0.165                | 10                          |
| CVCO33CL-0750-0770  | 750 to 770            | -103                                     | 0.5 to 2.5           | 30           | -15                  | 4.5±3.0            | -40 to +85          | 2.7±0.125                | 11                          |
| CVCO33CL-0760-0860  | 760 to 860            | -105                                     | 0.3 to 4.7           | 40           | -15                  | -4.0±1.0           | -40 to +85          | 2.8±0.14                 | 22                          |
| CVCO33CL-0760-0880  | 760 to 880            | -105                                     | 0.5 to 4.5           | 35           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO33CL-0770-0870  | 770 to 870            | -108                                     | 0.0 to 10.0          | 10           | -10                  | 3.5±1.5            | -40 to +85          | 5.0±0.25                 | 12                          |
| CVCO33CL-0800-1000  | 800 to 1000           | -102                                     | 0.0 to 10.0          | 100          | -12                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO33CL-0900-0940  | 900 to 940            | -104                                     | 0.2 to 2.0           | 25           | -10                  | 3.0±2.0            | -40 to +85          | 3.0±0.15                 | 20                          |
| CVCO33CL-0998-1000  | 998 to 1000           | -120                                     | 0.3 to 4.7           | 8            | -10                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33CL-1036-1036  | 1036 to 1036          | -104                                     | 0.5 to 2.8           | 8            | -10                  | -2.5±2.5           | -40 to +85          | 3.3±0.165                | 10                          |
| CVCO33CL-1060-1200  | 1060 to 1200          | -105                                     | 0.3 to 3.0           | 75           | -10                  | 0.0±3.0            | -40 to +85          | 3.3±0.165                | 15                          |
| CVCO33CL-1394-1429  | 1394 to 1429          | -94                                      | 0.4 to 2.1           | 30           | -15                  | 5.0±2.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33CL-1400-1500  | 1400 to 1500          | -94                                      | 0.3 to 4.7           | 30           | -15                  | 5.0±2.0            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33BE-1570-1670  | 1570 to 1670          | -102                                     | 0.5 to 4.5           | 53           | -15                  | 6.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO33BE-1662-1708  | 1662 to 1708          | -106                                     | 0.5 to 4.5           | 20           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |



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# Model CVCO33 VCO Selector Guide

0.300"x0.300" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO33BE-1700-1850  | 1700 to 1850          | -100                                     | 0.3 to 4.7           | 53           | -10                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33BE-1823-1903  | 1823 to 1903          | -95                                      | 0.3 to 2.55          | 53           | -10                  | 6.0±4.0            | -40 to +85          | 3.4±0.17                 | 15                          |
| CVCO33BE-1860-2180  | 1860 to 2180          | -93                                      | 0.5 to 4.5           | 151          | -15                  | 6.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO33BEQ-1860-2180 | 1860 to 2180          | -97                                      | 0.5 to 4.5           | 151          | -15                  | 4.0±3.0            | -40 to +85          | 3.3±0.165                | 35                          |
| CVCO33BE-1950-2400  | 1950 to 2400          | -95                                      | 0.5 to 4.5           | 169          | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO33CL-1966-1966  | 1966 to 1966          | -93                                      | 1.0 to 2.5           | 9            | -20                  | 0.0±3.0            | -40 to +85          | 4.7±0.20                 | 14                          |
| CVCO33BE-2192-2276  | 2192 to 2276          | -94                                      | 1.2 to 3.5           | 70           | -8                   | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO33BE-2200-2400  | 2200 to 2400          | -100                                     | 0.5 to 4.5           | 70           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33BE-2278-2381  | 2278 to 2381          | -101                                     | 0.5 to 4.5           | 30           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33BE-2352-2408  | 2352 to 2408          | -101                                     | 0.5 to 4.5           | 20           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33BE-2400-2500  | 2400 to 2500          | -100                                     | 0.0 to 3.0           | 105          | -20                  | 3.0±2.0            | -40 to +85          | 3.0±0.15                 | 19                          |
| CVCO33BE-2512-2618  | 2512 to 2618          | -100                                     | 0.5 to 4.5           | 32           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33BE-2560-2760  | 2560 to 2760          | -93                                      | 0.0 to 3.0           | 115          | -15                  | 3.0±1.5            | -40 to +85          | 3.0±0.15                 | 15                          |
| CVCO33BE-2600-2840  | 2600 to 2840          | -95                                      | 0.3 to 4.7           | 105          | -20                  | 8.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO33BE-2784-2908  | 2784 to 2908          | -95                                      | 0.5 to 4.5           | 30           | -20                  | 3.5±3.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO33BE-2949-2949  | 2949 to 2949          | -93                                      | 1.0 to 2.5           | 70           | -20                  | 3.0±3.0            | -40 to +85          | 4.7±0.20                 | 15                          |
| CVCO33BE-3000-3100  | 3000 to 3100          | -90                                      | 0.3 to 2.8           | 50           | -15                  | -5.0±5.0           | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO33BEQ-3000-3100 | 3000 to 3100          | -90                                      | 0.3 to 2.8           | 50           | -15                  | 10.0±2.0           | -40 to +85          | 3.0±0.15                 | 25                          |
| CVCO33BE-3377-3457  | 3377 to 3457          | -90                                      | 0.5 to 2.5           | 48           | -15                  | 5.0±2.0            | -40 to +85          | 3.3±0.33                 | 18                          |
| CVCO33CC-3932-3932  | 3932 to 3932          | -98                                      | 0.0 to 5.0           | 8            | -15                  | 3.0±3.0            | -40 to +85          | 4.7±0.20                 | 17                          |
| CVCO33BE-5000-5250  | 5000 to 5250          | -84                                      | 0.5 to 4.5           | 183          | -20                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO33BE-5200-5200  | 5200 to 5200          | -84                                      | 0.5 to 4.5           | 183          | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO33BE-6000-6000  | 6000 to 6000          | -85                                      | 0.5 to 4.5           | 183          | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |



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## Model CVCO45 VCO Selector Guide

0.400"x0.496" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO45CL-0079-0111  | 79 to 111             | -110                                     | 1.0 to 4.0           | 13           | -10                  | 3.0±7.0            | -40 to +85          | 4.7±0.25                 | 50                          |
| CVCO45CL-0100-0140  | 100 to 140            | -105                                     | 0.0 to 5.0           | 10           | -15                  | 3.0±3.0            | -40 to +85          | 3.0±0.25                 | 15                          |
| CVCO45CL-0350-0460  | 350 to 460            | -105                                     | 0.0 to 5.0           | 10           | -15                  | 3.0±3.0            | -40 to +85          | 3.0±0.25                 | 15                          |
| CVCO45CL-0421-0441  | 421 to 441            | -100                                     | 0.5 to 2.7           | 15           | -15                  | -3.0±3.0           | -40 to +85          | 3.0±0.25                 | 10                          |
| CVCO45CL-0430-0470  | 430 to 470            | -104                                     | 0.0 to 4.5           | 18           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO45CL-0795-0825  | 795 to 825            | -108                                     | 0.5 to 4.5           | 12           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO45CL-0900-0940  | 900 to 940            | -104                                     | 0.5 to 4.5           | 28           | -20                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 17                          |

## Model CVCOT8 VCO Selector Guide

0.500" Dia.



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCOT8BE-0800-1600  | 800 to 1600           | -92                                      | 0.0 to 20.0          | 79           | -10                  | 10.0±3.0           | -40 to +85          | 15.0±0.25                | 20                          |
| CVCOT8BE-2100-2200  | 2100 to 2200          | -101                                     | 0.5 to 4.5           | 55           | -15                  | 0.0±3.3            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCOT8BE-2400-2500  | 2400 to 2500          | -101                                     | 0.5 to 4.5           | 55           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCOT8BE-2700-3400  | 2700 to 3400          | -85                                      | 1.0 to 10.0          | 120          | -12                  | 10.0±2.0           | -40 to +85          | 11.0±0.33                | 60                          |



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# Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CL-0038-0042  | 38 to 42              | -116                                     | 0.5 to 4.5           | 3            | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 8                           |
| CVCO55CL-0042-0046  | 42 to 46              | -116                                     | 0.5 to 4.5           | 3            | -13                  | -1.0±2.0           | -40 to +85          | 5.0±0.25                 | 8                           |
| CVCO55CL-0042-0052  | 42 to 52              | -110                                     | 0.5 to 4.5           | 2.5          | -10                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0045-0070  | 45 to 70              | -115                                     | 0.5 to 10.5          | 4            | -10                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0060-0110  | 60 to 110             | -115                                     | 0.5 to 9.5           | 8            | -10                  | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0072-0076  | 72 to 76              | -110                                     | 0.3 to 3.0           | 7            | -15                  | 0.0±2.0            | -40 to +85          | 3.3±0.165                | 7                           |
| CVCO55FL-0075-0085  | 75 to 85              | -123                                     | 0.5 to 4.5           | 5            | -20                  | 9.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0085-0085  | 85 to 85              | -120                                     | 1.0 to 4.0           | 3            | -20                  | 9.0±3.0            | -40 to +85          | 8.0±0.25                 | 25                          |
| CVCO55CL-0085-0088  | 85 to 88              | -120                                     | 1.0 to 4.0           | 5            | -10                  | 9.0±3.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CL-0090-0100  | 90 to 100             | -119                                     | 0.5 to 4.5           | 8            | -10                  | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0100-0110  | 100 to 110            | -119                                     | 0.5 to 4.5           | 8            | -10                  | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CW-0100-0160  | 100 to 160            | -100                                     | 1.0 to 4.0           | 25           | -10                  | 8.0±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CW-0100-0200  | 100 to 200            | -108                                     | 0.0 to 5.0           | 25           | -10                  | 4.0±4.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0110-0120  | 110 to 120            | -119                                     | 0.5 to 4.5           | 8            | -10                  | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0116-0123  | 116 to 123            | -120                                     | 1.0 to 4.0           | 3            | -20                  | 9.0±3.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CL-0120-0130  | 120 to 130            | -119                                     | 0.5 to 4.5           | 8            | -10                  | 8.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0120-0165  | 120 to 165            | -103                                     | 0.5 to 6.0           | 11           | -30                  | 8.0±2.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO55CL-0128-0263  | 128 to 263            | -106                                     | 0.2 to 11.2          | 13           | -14                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55FL-0136-0174  | 136 to 174            | -123                                     | 0.5 to 4.5           | 10           | -20                  | 9.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55FLM-0137-0171 | 137 to 171            | -118                                     | 0.5 to 4.5           | 15           | -15                  | 0.0±3.0            | -30 to +75          | 5.0±0.25                 | 20                          |
| CVCO55CW-0140-0250  | 140 to 250            | -100                                     | 0.5 to 10.0          | 10           | -14                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55FL-0150-0156  | 150 to 156            | -125                                     | 0.5 to 4.5           | 4            | -20                  | 9.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55FLM-0150-0195 | 150 to 195            | -118                                     | 0.5 to 4.5           | 17           | -15                  | 0.0±3.0            | -30 to +75          | 5.0±0.25                 | 20                          |
| CVCO55CL-0150-0200  | 150 to 200            | -115                                     | 0.3 to 4.7           | 16           | -15                  | 4.0±4.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55FL-0160-0219  | 160 to 219            | -122                                     | 0.5 to 4.5           | 18           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CW-0160-0400  | 160 to 400            | -105                                     | 0.2 to 20.0          | 20           | -10                  | 7.0±3.5            | -25 to +80          | 5.0±0.25                 | 40                          |
| CVCO55CL-0169-0179  | 169 to 179            | -115                                     | 0.5 to 4.5           | 5            | -15                  | 2.5±2.5            | -40 to +85          | 3.0±0.15                 | 7                           |
| CVCO55FL-0169-0218  | 169 to 218            | -110                                     | 0.2 to 2.8           | 35           | -20                  | 0.0±2.0            | -30 to +70          | 3.0±0.15                 | 9                           |
| CVCO55FLM-0172-0210 | 172 to 210            | -119                                     | 0.2 to 4.8           | 35           | -20                  | 0.0±3.0            | -30 to +70          | 3.0±0.15                 | 9                           |
| CVCO55CL-0180-0200  | 180 to 200            | -110                                     | 0.5 to 4.5           | 8            | -10                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0184-0190  | 184 to 190            | -110                                     | 0.0 to 5.0           | 3            | -20                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0189-0199  | 189 to 199            | -115                                     | 0.5 to 4.5           | 5            | -15                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO55FL-0200-0239  | 200 to 239            | -123                                     | 0.5 to 4.5           | 10           | -20                  | 9.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0200-0400  | 200 to 400            | -109                                     | 0.0 to 5.0           | 50           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CW-0200-0400  | 200 to 400            | -105                                     | 0.0 to 5.0           | 50           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CW-0200-0500  | 200 to 500            | -106                                     | 0.5 to 18.0          | 20           | -5                   | 6.0±4.0            | -40 to +85          | 12.0±0.60                | 25                          |
| CVCO55CL-0209-0277  | 209 to 277            | -112                                     | 0.3 to 4.7           | 20           | -15                  | 5.0±3.0            | -40 to +85          | 7.0±0.35                 | 15                          |
| CVCO55CL-0211-0221  | 211 to 221            | -115                                     | 0.5 to 4.5           | 5            | -15                  | 2.5±2.5            | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO55CL-0217-0276  | 217 to 276            | -110                                     | 0.5 to 4.5           | 20           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0225-0425  | 225 to 425            | -100                                     | 0.5 to 6.5           | 75           | -15                  | -10±3.0            | -40 to +85          | 7.0±0.25                 | 12                          |
| CVCO55CW-0250-0450  | 250 to 450            | -96                                      | 0.3 to 4.7           | 50           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 12                          |
| CVCO55CW-0250-0500  | 250 to 500            | -96                                      | 0.3 to 4.7           | 50           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 12                          |
| CVCO55CL-0260-0285  | 260 to 285            | -110                                     | 0.5 to 4.5           | 20           | -15                  | 4.75±3.75          | -40 to +85          | 4.5±0.25                 | 25                          |
| CVCO55CL-0305-0345  | 305 to 345            | -111                                     | 0.5 to 4.5           | 21           | -10                  | 6.5±3.5            | -40 to +85          | 5.0±0.25                 | 13                          |
| CVCO55BE-0325-0775  | 325 to 775            | -105                                     | 0.0 to 12.0          | 45           | -10                  | 7.0±2.0            | -40 to +85          | 12.0±0.25                | 25                          |
| CVCO55CL-0350-0405  | 350 to 405            | -110                                     | 0.5 to 5.0           | 39           | -3                   | 7.25±2.75          | -40 to +85          | 5.0±0.25                 | 15                          |





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# Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CL-0370-0450  | 370 to 450            | -110                                     | 0.5 to 4.5           | 35           | -4                   | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0370-0490  | 370 to 490            | -112                                     | 0.3 to 4.7           | 40           | -20                  | -2.5±2.5           | -30 to +60          | 5.0±0.25                 | 40                          |
| CVCO55CL-0375-0420  | 375 to 420            | -111                                     | 0.5 to 4.5           | 30           | -10                  | 8.0±2.0            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55CC-0380-0440  | 380 to 440            | -117                                     | 0.3 to 4.7           | 16           | -10                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 30                          |
| CVCO55CC-0391-0456  | 391 to 456            | -117                                     | 0.3 to 4.7           | 16           | -10                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 30                          |
| CVCO55CL-0393-0428  | 393 to 428            | -110                                     | 0.5 to 4.5           | 15           | -12                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 8                           |
| CVCO55BE-0400-0500  | 400 to 500            | -109                                     | 0.0 to 5.0           | 30           | -10                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55CW-0400-0800  | 400 to 800            | -105                                     | 0.0 to 12.0          | 47           | -5                   | 7.0±5.0            | -10 to +70          | 5.0±0.25                 | 17                          |
| CVCO55BE-0400-0800  | 400 to 800            | -105                                     | 0.0 to 12.0          | 47           | -5                   | 7.0±5.0            | -10 to +70          | 5.0±0.25                 | 17                          |
| CVCO55CW-0400-1300  | 400 to 1300           | -94                                      | 0.1 to 26.0          | 50           | -10                  | 7.0±3.5            | -20 to +70          | 5.0±0.25                 | 40                          |
| CVCO55CL-0420-0540  | 420 to 540            | -112                                     | 0.5 to 4.5           | 40           | -20                  | -2.5±2.5           | -30 to +60          | 5.0±0.25                 | 40                          |
| CVCO55CC-0430-0480  | 430 to 480            | -117                                     | 0.3 to 4.7           | 17           | -15                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 45                          |
| CVCO55CL-0433-0485  | 433 to 485            | -114                                     | 0.3 to 4.7           | 20           | -20                  | 5.0±2.0            | -30 to +85          | 5.0±0.25                 | 12                          |
| CVCO55CL-0434-0452  | 434 to 452            | -110                                     | 1.5 to 3.5           | 18           | -15                  | 0.0±4.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-0440-0505  | 440 to 505            | -117                                     | 0.3 to 4.7           | 16           | -10                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 40                          |
| CVCO55CL-0440-0521  | 440 to 521            | -113                                     | 0.5 to 4.5           | 22           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-0444-0485  | 444 to 485            | -117                                     | 0.3 to 4.7           | 12           | -20                  | -5.0±1.0           | -30 to +70          | 5.0±0.10                 | 40                          |
| CVCO55CC-0445-0508  | 445 to 508            | -117                                     | 0.3 to 4.7           | 17           | -20                  | -5.0±1.0           | -30 to +70          | 5.0±0.10                 | 40                          |
| CVCO55CL-0450-0470  | 450 to 470            | -110                                     | 1.5 to 3.5           | 20           | -15                  | 0.0±4.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CLX-0450-0470 | 450 to 470            | -116                                     | 0.5 to 4.5           | 20           | -12                  | 0.0±3.0            | -40 to +85          | 3.3±0.16                 | 12                          |
| CVCO55CL-0460-0485  | 460 to 485            | -118                                     | 0.5 to 4.5           | 8            | -10                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55CL-0462-0588  | 462 to 588            | -113                                     | 0.5 to 4.5           | 15           | -12                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-0467-0493  | 467 to 493            | -96                                      | 0.5 to 4.5           | 15           | -12                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0470-0520  | 470 to 520            | -109                                     | 0.5 to 4.5           | 24           | -7                   | 1.0±2.0            | -30 to +80          | 2.0±0.10                 | 10                          |
| CVCO55CL-0482-0498  | 482 to 498            | -118                                     | 0.5 to 4.5           | 8            | -10                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55CL-0490-0540  | 490 to 540            | -108                                     | 0.5 to 4.5           | 31           | -12                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0500-0520  | 500 to 520            | -117                                     | 0.3 to 4.7           | 8            | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CW-0500-1000  | 500 to 1000           | -104                                     | 0.5 to 18.0          | 60           | -5                   | 7.0±3.0            | -40 to +85          | 12.0±0.60                | 20                          |
| CVCO55BE-0510-0770  | 510 to 770            | -106                                     | 1.0 to 8.0           | 58           | -5                   | 6.5±4.5            | -40 to +85          | 9.0±0.45                 | 14                          |
| CVCO55BE-0510-0790  | 510 to 790            | -105                                     | 1.0 to 8.0           | 58           | -10                  | 3.0±1.5            | -40 to +85          | 8.0±0.25                 | 20                          |
| CVCO55BE-0510-0900  | 510 to 900            | -103                                     | 1.5 to 9.0           | 55           | -20                  | 10.0±2.5           | -40 to +85          | 12.0±0.6                 | 29                          |
| CVCO55BE-0530-0710  | 530 to 710            | -105                                     | 0.5 to 4.5           | 100          | -5                   | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CL-0535-0560  | 535 to 560            | -110                                     | 0.2 to 4.7           | 18           | -12                  | 1.5±1.5            | -40 to +85          | 5.0±0.25                 | 16                          |
| CVCO55CL-0540-0560  | 540 to 560            | -117                                     | 0.5 to 4.7           | 8            | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CL-0575-0675  | 575 to 675            | -109                                     | 0.3 to 4.7           | 30           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 24                          |
| CVCO55CL-0600-0660  | 600 to 660            | -105                                     | 0.3 to 4.7           | 22           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CL-0600-0880  | 600 to 880            | -100                                     | 0.5 to 4.5           | 60           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CW-0600-1200  | 600 to 1200           | -98                                      | 0.5 to 18.0          | 45           | -20                  | 5.0±3.0            | -40 to +75          | 12.0±0.6                 | 35                          |
| CVCO55CC-0612-0617  | 612 to 617            | -123                                     | 0.5 to 4.5           | 6            | -15                  | -5.0±1.0           | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-0633-0653  | 633 to 653            | -110                                     | 0.3 to 4.7           | 25           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CL-0640-0690  | 640 to 690            | -100                                     | 0.5 to 4.5           | 30           | -12                  | 6.5±1.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0655-0730  | 655 to 730            | -110                                     | 0.3 to 4.7           | 25           | -8                   | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-0660-0660  | 660 to 660            | -110                                     | 1.0 to 4.0           | 13           | -20                  | 9.0±3.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CL-0680-0720  | 680 to 720            | -109                                     | 0.5 to 4.5           | 29           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-0689-0704  | 689 to 704            | -118                                     | 0.4 to 4.6           | 20           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-0710-0725  | 710 to 725            | -118                                     | 0.5 to 4.5           | 10           | -25                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |



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## Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CL-0736-0744  | 736 to 744            | -115                                     | 0.5 to 4.5           | 12           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CL-0740-0750  | 740 to 750            | -115                                     | 0.5 to 4.5           | 3            | -15                  | 0.0±2.0            | -30 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CL-0760-0860  | 760 to 860            | -105                                     | 0.3 to 4.7           | 40           | -15                  | -4.0±1.0           | -40 to +85          | 2.0±0.10                 | 22                          |
| CVCO55CM-0760-0870  | 760 to 870            | -110                                     | 0.4 to 4.7           | 30           | -15                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-0775-0800  | 775 to 800            | -123                                     | 0.3 to 4.7           | 6            | -15                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 30                          |
| CVCO55CL-0777-0797  | 777 to 797            | -120                                     | 0.4 to 4.6           | 20           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CL-0777-0880  | 777 to 880            | -110                                     | 0.5 to 4.5           | 35           | -15                  | -3.0±3.0           | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-0777-0880  | 777 to 880            | -110                                     | 0.5 to 4.5           | 35           | -15                  | -3.0±3.0           | -40 to +70          | 5.0±0.25                 | 13                          |
| CVCO55CL-0785-0795  | 785 to 795            | -115                                     | 0.5 to 4.5           | 3            | -15                  | 0.0±2.0            | -30 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CC-0787-0805  | 787 to 805            | -122                                     | 0.3 to 4.7           | 8            | -15                  | -6.5±1.0           | -30 to +70          | 5.0±0.10                 | 35                          |
| CVCO55CLM-0800-0820 | 800 to 820            | -115                                     | 0.3 to 4.7           | 9            | -15                  | 0.0±2.0            | -30 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CC-0800-0825  | 800 to 825            | -122                                     | 0.5 to 4.5           | 8            | -15                  | -5.0±1.0           | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-0800-0980  | 800 to 980            | -100                                     | 0.5 to 5.0           | 75           | -22                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-0800-1600  | 800 to 1600           | -100                                     | 0.5 to 19.0          | 60           | -10                  | 6.0±2.0            | -40 to +85          | 11.5±0.50                | 30                          |
| CVCO55CW-0800-1600  | 800 to 1600           | -100                                     | 0.5 to 19.0          | 60           | -10                  | 6.0±2.0            | -40 to +85          | 11.5±0.50                | 30                          |
| CVCO55CWQ-0800-1600 | 800 to 1600           | -100                                     | 0.5 to 12.0          | 87           | -10                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CWT-0800-1600 | 800 to 1600           | -100                                     | 0.5 to 12.0          | 87           | -10                  | 6.0±2.0            | -40 to +85          | 10.0±0.50                | 30                          |
| CVCO55CWR-0800-1600 | 800 to 1600           | -100                                     | 0.5 to 19.0          | 60           | -10                  | 5.0±4.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-0805-0815  | 805 to 815            | -124                                     | 0.3 to 4.7           | 5            | -15                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 30                          |
| CVCO55CL-0805-0900  | 805 to 900            | -105                                     | 0.5 to 5.0           | 30           | -15                  | 2.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-0827-0840  | 827 to 840            | -124                                     | 0.2 to 4.7           | 5            | -18                  | -6.5±1.5           | -30 to +70          | 5.0±0.25                 | 35                          |
| CVCO55CL-0830-0970  | 830 to 970            | -106                                     | 0.5 to 4.5           | 52           | -15                  | 4.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CLM-0840-0870 | 840 to 870            | -115                                     | 0.3 to 4.7           | 14           | -15                  | 0.0±2.0            | -30 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CL-0845-0875  | 845 to 875            | -113                                     | 0.5 to 4.5           | 15           | -15                  | 3.0±3.0            | -30 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-0860-0960  | 860 to 960            | -113                                     | 0.5 to 4.5           | 27           | -10                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-0890-0960  | 890 to 960            | -110                                     | 0.5 to 4.5           | 27           | -20                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 27                          |
| CVCO55CC-0895-0950  | 895 to 950            | -114                                     | 0.3 to 4.7           | 22           | -15                  | -5.0±2.0           | -30 to +70          | 5.0±0.25                 | 12                          |
| CVCO55CT-0902-0928  | 902 to 928            | -110                                     | 0.3 to 4.7           | 8            | -15                  | 12.0±2.0           | -40 to +85          | 12.0±0.25                | 20                          |
| CVCO55CL-0902-0928  | 902 to 928            | -110                                     | 0.3 to 4.7           | 8            | -15                  | 12.0±2.0           | -40 to +85          | 12.0±0.25                | 20                          |
| CVCO55CL-0920-0980  | 920 to 980            | -105                                     | 1.0 to 5.0           | 30           | -12                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CL-0925-0970  | 925 to 970            | -110                                     | 0.5 to 4.5           | 13           | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CL-0930-0990  | 930 to 990            | -110                                     | 0.0 to 3.3           | 30           | -15                  | 2.5±2.5            | -40 to +85          | 3.3±0.165                | 24                          |
| CVCO55CW-0950-1650  | 950 to 1650           | -100                                     | 0.0 to 11.0          | 90           | -35                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-0950-2050  | 950 to 2050           | -99                                      | 0.0 to 15.0          | 80           | -30                  | 2.0±3.0            | -40 to +85          | 10.0±0.50                | 20                          |
| CVCO55BES-0950-2050 | 950 to 2050           | -99                                      | 0.0 to 15.0          | 80           | -30                  | 2.0±3.0            | -40 to +85          | 10.0±0.50                | 20                          |
| CVCO55CLS-0954-0980 | 954 to 980            | -100                                     | 0.5 to 2.5           | 33           | -10                  | 0.0±3.0            | -40 to +85          | 3.0±0.15                 | 8                           |
| CVCO55BE-0960-1200  | 960 to 1200           | -96                                      | 0.5 to 4.5           | 150          | -10                  | 3.0±3.0            | -40 to +85          | 3.0±0.15                 | 8                           |
| CVCO55BE-0960-1330  | 960 to 1330           | -106                                     | 0.5 to 20.0          | 38           | -15                  | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CL-0965-0995  | 965 to 995            | -114                                     | 0.5 to 5.0           | 16           | -24                  | 4.5±3.0            | -40 to +85          | 5.0±0.25                 | 32                          |
| CVCO55CC-0971-0975  | 971 to 975            | -117                                     | 0.3 to 4.7           | 7            | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-1000-1250  | 1000 to 1250          | -110                                     | 2.0 to 12.0          | 30           | -12                  | 0.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CW-1000-1500  | 1000 to 1500          | -95                                      | 0.5 to 4.5           | 150          | -15                  | 3.0±3.0            | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO55BE-1000-1500  | 1000 to 1500          | -96                                      | 0.5 to 4.5           | 150          | -15                  | 3.0±3.0            | -40 to +85          | 3.0±0.15                 | 10                          |
| CVCO55BES-1000-2000 | 1000 to 2000          | -100                                     | 1.0 to 20.0          | 53           | -10                  | 5.5±2.5            | -40 to +85          | 10.0±0.25                | 25                          |
| CVCO55CW-1000-2000  | 1000 to 2000          | -100                                     | 1.0 to 20.0          | 52           | -10                  | 5.5±2.5            | -40 to +85          | 10.0±0.25                | 25                          |
| CVCO55BE-1000-2000  | 1000 to 2000          | -100                                     | 1.0 to 20.0          | 52           | -10                  | 5.5±2.5            | -40 to +80          | 10.0±0.25                | 25                          |





**CRYSTEK**  
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# Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CL-1030-1090  | 1030 to 1090          | -110                                     | 0.5 to 4.5           | 21           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CL-1047-1053  | 1047 to 1053          | -110                                     | 1.5 to 3.5           | 10           | -30                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-1073-1086  | 1073 to 1086          | -115                                     | 0.5 to 4.5           | 10           | -30                  | 3.0±1.5            | -40 to +80          | 5.0±0.25                 | 20                          |
| CVCO55CL-1088-1144  | 1088 to 1144          | -110                                     | 0.3 to 4.7           | 21           | -15                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-1090-1145  | 1090 to 1145          | -110                                     | 0.3 to 4.7           | 21           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CL-1090-1235  | 1090 to 1235          | -104                                     | 0.0 to 5.0           | 40           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-1100-1200  | 1100 to 1200          | -104                                     | 0.0 to 5.0           | 35           | -25                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1100-1400  | 1100 to 1400          | -99                                      | 0.5 to 4.5           | 130          | -10                  | 7.5±2.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1100-1600  | 1100 to 1600          | -100                                     | 0.5 to 9.5           | 50           | -10                  | 8.5±2.5            | -40 to +80          | 10.0±0.50                | 25                          |
| CVCO55CW-1100-1600  | 1100 to 1600          | -100                                     | 0.5 to 9.5           | 56           | -10                  | 8.5±2.5            | -40 to +85          | 10.0±0.50                | 25                          |
| CVCO55CW-1100-2100  | 1100 to 2100          | -100                                     | 1.0 to 20.0          | 67           | -10                  | 5.5±2.5            | -40 to +80          | 10.0±0.25                | 25                          |
| CVCO55BE-1100-2100  | 1100 to 2100          | -100                                     | 1.0 to 20.0          | 67           | -10                  | 5.5±2.5            | -40 to +80          | 10.0±0.25                | 25                          |
| CVCO55BE-1120-1300  | 1120 to 1300          | -103                                     | 0.5 to 4.5           | 60           | -15                  | 0.0±3.0            | -30 to +65          | 5.0±0.25                 | 20                          |
| CVCO55CL-1145-1210  | 1145 to 1210          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CW-1160-2160  | 1160 to 2160          | -97                                      | 0.5 to 20.0          | 77           | -11                  | 5.5±2.5            | -40 to +85          | 10.0±0.50                | 30                          |
| CVCO55CL-1165-1175  | 1165 to 1175          | -110                                     | 0.5 to 4.5           | 10           | -20                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CL-1166-1206  | 1166 to 1206          | -103                                     | 0.3 to 3.0           | 22           | -15                  | 4.0±2.0            | -40 to +85          | 3.3±0.33                 | 20                          |
| CVCO55CL-1186-1196  | 1186 to 1196          | -103                                     | 0.3 to 3.0           | 10           | -15                  | 4.0±2.0            | -40 to +85          | 3.3±0.33                 | 20                          |
| CVCO55CL-1186-1206  | 1186 to 1206          | -103                                     | 0.3 to 3.0           | 15           | -15                  | 4.0±2.0            | -40 to +85          | 3.3±0.33                 | 20                          |
| CVCO55CL-1188-1212  | 1188 to 1212          | -110                                     | 0.0 to 8.0           | 15           | -20                  | 8.0±2.0            | -40 to +85          | 12.0±0.25                | 20                          |
| CVCO55CL-1200-1200  | 1200 to 1200          | -110                                     | 1.0 to 4.0           | 5            | -15                  | 7.5±3.5            | -40 to +85          | 8.0±0.4                  | 40                          |
| CVCO55BE-1200-2100  | 1200 to 2100          | -95                                      | 0.5 to 25.0          | 45           | -8                   | 6.0±3.5            | -40 to +85          | 12.0±0.5                 | 35                          |
| CVCO55BE-1200-2300  | 1200 to 2300          | -100                                     | 0.5 to 20.0          | 58           | -10                  | 4.0±2.0            | -40 to +80          | 5.0±0.25                 | 25                          |
| CVCO55CW-1200-2300  | 1200 to 2300          | -100                                     | 0.5 to 20.0          | 58           | -10                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-1220-1490  | 1220 to 1490          | -105                                     | 1.0 to 20.0          | 20           | -15                  | 3.0±1.5            | -40 to +85          | 8.0±0.25                 | 20                          |
| CVCO55BE-1235-1355  | 1235 to 1355          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CL-1238-1278  | 1238 to 1278          | -103                                     | 0.3 to 3.0           | 22           | -15                  | 4.0±2.0            | -40 to +85          | 3.3±0.33                 | 20                          |
| CVCO55CL-1248-1268  | 1248 to 1268          | -103                                     | 0.3 to 3.0           | 15           | -15                  | 4.0±2.0            | -40 to +85          | 3.3±0.33                 | 20                          |
| CVCO55BE-1250-1750  | 1250 to 1750          | -100                                     | 0.0 to 20.0          | 35           | -15                  | 4.0±2.0            | -20 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CL-1256-1264  | 1256 to 1264          | -112                                     | 0.5 to 4.5           | 15           | -15                  | 5.0±2.0            | 0 to +70            | 5.0±0.25                 | 20                          |
| CVCO55CC-1260-1400  | 1260 to 1400          | -115                                     | 0.5 to 12.0          | 14           | -20                  | 3.0±2.0            | -30 to +70          | 8.0±0.25                 | 25                          |
| CVCO55CC-1277-1433  | 1277 to 1433          | -115                                     | 0.5 to 15.0          | 14           | -20                  | 3.0±2.0            | -30 to +70          | 8.0±0.25                 | 25                          |
| CVCO55BE-1277-1691  | 1277 to 1691          | -104                                     | 0.5 to 14.0          | 45           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO55BE-1280-1460  | 1280 to 1460          | -100                                     | 0.5 to 4.5           | 60           | -15                  | 0.0±3.0            | -30 to +65          | 5.0±0.25                 | 20                          |
| CVCO55CW-1300-2700  | 1300 to 2700          | -92                                      | 0.5 to 25.0          | 70           | -15                  | 3.0±4.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1350-1400  | 1350 to 1400          | -100                                     | 0.5 to 4.5           | 20           | -15                  | 7.0±5.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CW-1350-2100  | 1350 to 2100          | -100                                     | 0.5 to 18.0          | 70           | -13                  | 5.0±3.0            | -40 to +75          | 8.0±0.40                 | 35                          |
| CVCO55CL-1360-1380  | 1360 to 1380          | -108                                     | 0.3 to 4.7           | 8            | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-1370-1400  | 1370 to 1400          | -114                                     | 0.5 to 4.5           | 15           | -25                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-1372-1427  | 1372 to 1427          | -112                                     | 0.3 to 4.7           | 21           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1400-1624  | 1400 to 1624          | -102                                     | 0.3 to 4.7           | 65           | -10                  | 0.0±3.0            | -30 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-1420-1480  | 1420 to 1480          | -115                                     | 1.0 to 10.0          | 12           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-1435-1491  | 1435 to 1491          | -112                                     | 0.3 to 4.7           | 21           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CL-1440-1470  | 1440 to 1470          | -110                                     | 1.0 to 5.0           | 16           | -27                  | -2.5±4.0           | -40 to +85          | 5.0±0.25                 | 28                          |
| CVCO55BE-1440-1620  | 1440 to 1620          | -100                                     | 0.5 to 4.5           | 80           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1440-1670  | 1440 to 1670          | -100                                     | 0.5 to 4.5           | 99           | -13                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 12                          |



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# Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CC-1443-1523  | 1443 to 1523          | -118                                     | 1.0 to 11.0          | 10           | -15                  | 2.0±2.0            | -30 to +70          | 11.5±0.25                | 29                          |
| CVCO55BE-1480-1600  | 1480 to 1600          | -99                                      | 0.5 to 4.5           | 65           | -12                  | 6.5±1.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-1487-1587  | 1487 to 1587          | -103                                     | 0.3 to 4.7           | 40           | -22                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 33                          |
| CVCO55CC-1490-1550  | 1490 to 1550          | -115                                     | 1.0 to 10.0          | 15           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.25                 | 35                          |
| CVCO55BE-1500-1900  | 1500 to 1900          | -87                                      | 0.0 to 10.0          | 60           | -15                  | 6.5±1.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CL-1505-1540  | 1505 to 1540          | -110                                     | 0.5 to 4.5           | 20           | -25                  | 4.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-1515-1600  | 1515 to 1600          | -116                                     | 0.5 to 10.0          | 13           | -15                  | 0.0±3.0            | -30 to +70          | 5.0±0.25                 | 25                          |
| CVCO55BE-1520-1635  | 1520 to 1635          | -100                                     | 0.5 to 4.5           | 45           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1530-2700  | 1530 to 2700          | -87                                      | 0.5 to 10.0          | 140          | -15                  | 6.5±1.5            | -40 to +75          | 5.0±0.25                 | 30                          |
| CVCO55CC-1536-1536  | 1536 to 1536          | -122                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-1550-1650  | 1550 to 1650          | -102                                     | 0.5 to 4.5           | 45           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1550-2050  | 1550 to 2050          | -106                                     | 0.5 to 15.5          | 36           | -15                  | 2.5±2.5            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CW-1550-2500  | 1550 to 2500          | -95                                      | 0.5 to 9.5           | 115          | -7                   | 6.0±3.0            | -40 to +85          | 10.0±0.25                | 13                          |
| CVCO55BE-1550-2500  | 1550 to 2500          | -93                                      | 0.5 to 9.5           | 115          | -7                   | 6.0±3.0            | -40 to +85          | 10.0±0.25                | 13                          |
| CVCO55CC-1560-1615  | 1560 to 1615          | -112                                     | 0.3 to 4.7           | 21           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1565-1585  | 1565 to 1585          | -103                                     | 0.3 to 3.0           | 15           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-1581-1581  | 1581 to 1581          | -120                                     | 0.5 to 4.5           | 7            | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1600-1600  | 1600 to 1600          | -122                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-1600-1650  | 1600 to 1650          | -116                                     | 0.5 to 4.5           | 15           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-1600-1780  | 1600 to 1780          | -100                                     | 0.5 to 4.5           | 68           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1600-1850  | 1600 to 1850          | -103                                     | 0.25 to 4.75         | 85           | -20                  | 1.5±3.5            | -40 to +85          | 4.5±0.25                 | 25                          |
| CVCO55CW-1600-2700  | 1600 to 2700          | -98                                      | 1.0 to 20.0          | 84           | -15                  | 5.0±5.0            | -40 to +85          | 10.0±0.50                | 22                          |
| CVCO55BE-1600-2700  | 1600 to 2700          | -98                                      | 1.0 to 20.0          | 84           | -15                  | 5.0±5.0            | -40 to +85          | 10.0±0.50                | 22                          |
| CVCO55BE-1600-2950  | 1600 to 2950          | -95                                      | 0.5 to 20.0          | 85           | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1600-3200  | 1600 to 3200          | -93                                      | 0.5 to 20.0          | 100          | -15                  | 5.0±3.0            | -20 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CW-1600-3200  | 1600 to 3200          | -93                                      | 0.5 to 20.0          | 100          | -15                  | 5.0±3.0            | -20 to +70          | 5.0±0.25                 | 25                          |
| CVCO55CC-1613-1678  | 1613 to 1678          | -110                                     | 0.5 to 4.5           | 20           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1620-1620  | 1620 to 1620          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CCQ-1620-1620 | 1620 to 1620          | -125                                     | 1.0 to 11.0          | 10           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-1623-1678  | 1623 to 1678          | -112                                     | 0.3 to 4.7           | 20           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1630-1630  | 1630 to 1630          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1630-1665  | 1630 to 1665          | -102                                     | 0.5 to 4.5           | 45           | -20                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-1640-1700  | 1640 to 1700          | -115                                     | 1.0 to 10.0          | 10           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-1640-1840  | 1640 to 1840          | -101                                     | 0.5 to 4.5           | 85           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 10                          |
| CVCO55BE-1650-1850  | 1650 to 1850          | -105                                     | 0.5 to 10.0          | 25           | -12                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1650-2050  | 1650 to 2050          | -105                                     | 0.0 to 20.0          | 25           | -15                  | -2.5±2.5           | -40 to +75          | 8.0±0.40                 | 28                          |
| CVCO55BE-1650-2150  | 1650 to 2150          | -95                                      | 0.5 to 4.5           | 160          | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55BE-1658-1662  | 1658 to 1662          | -104                                     | 0.5 to 2.0           | 20           | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.20                 | 35                          |
| CVCO55BE-1660-1760  | 1660 to 1760          | -100                                     | 0.3 to 4.7           | 45           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CW-1662-2432  | 1662 to 2432          | -100                                     | 1.0 to 28.0          | 37           | -35                  | 5.5±2.5            | -40 to +85          | 10.0±0.50                | 35                          |
| CVCO55CC-1680-1680  | 1680 to 1680          | -117                                     | 0.5 to 4.5           | 9            | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1680-1740  | 1680 to 1740          | -103                                     | 0.5 to 4.5           | 70           | -15                  | 3.0±3.0            | -40 to +75          | 5.0±0.25                 | 15                          |
| CVCO55CC-1690-1690  | 1690 to 1690          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1690-1750  | 1690 to 1750          | -115                                     | 1.0 to 10.0          | 15           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-1690-1810  | 1690 to 1810          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1690-2062  | 1690 to 2062          | -96                                      | 0.0 to 5.0           | 145          | -15                  | 5.0±2.0            | 0 to +70            | 5.0±0.25                 | 20                          |



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# Model CVCO55 VCO Selector Guide

0.500" x 0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55BE-1693-2023  | 1693 to 2023          | -111                                     | 0.5 to 15.0          | 25           | -15                  | -4.0±2.0           | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CC-1700-1700  | 1700 to 1700          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CCQ-1700-1700 | 1700 to 1700          | -120                                     | 0.3 to 4.7           | 7            | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.25                 | 30                          |
| CVCO55CL-1700-1800  | 1700 to 1800          | -102                                     | 0.5 to 4.5           | 65           | -25                  | 5.0±2.0            | -40 to +75          | 5.0±0.25                 | 35                          |
| CVCO55BE-1750-1810  | 1750 to 1810          | -103                                     | 0.5 to 4.5           | 70           | -15                  | 5.0±2.0            | -40 to +75          | 5.0±0.25                 | 15                          |
| CVCO55CC-1750-1810  | 1750 to 1810          | -115                                     | 1.0 to 10.0          | 15           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-1750-2150  | 1750 to 2150          | -100                                     | 0.3 to 4.7           | 85           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1760-1760  | 1760 to 1760          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1760-1940  | 1760 to 1940          | -102                                     | 0.5 to 4.5           | 68           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-1770-1770  | 1770 to 1770          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1770-1830  | 1770 to 1830          | -105                                     | 0.3 to 4.7           | 25           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1775-1845  | 1775 to 1845          | -105                                     | 0.5 to 4.5           | 22           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 16                          |
| CVCO55BE-1785-1900  | 1785 to 1900          | -100                                     | 0.3 to 4.7           | 45           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1792-1792  | 1792 to 1792          | -102                                     | 0.5 to 2.7           | 25           | -13                  | 2.5±2.5            | -40 to +75          | 3.3±0.165                | 12                          |
| CVCO55CC-1800-1800  | 1800 to 1800          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1800-2200  | 1800 to 2200          | -100                                     | 0.5 to 18.0          | 57           | -15                  | -3.0±3.0           | -40 to +85          | 10.0±0.50                | 25                          |
| CVCO55BE-1800-3000  | 1800 to 3000          | -96                                      | 1.5 to 18.0          | 100          | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1812-2090  | 1812 to 2090          | -106                                     | 0.5 to 28.0          | 20           | -5                   | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55BE-1820-2100  | 1820 to 2100          | -105                                     | 0.5 to 18.0          | 20           | -15                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-1845-1855  | 1845 to 1855          | -117                                     | 0.3 to 4.7           | 5            | -13                  | 2.5±2.5            | -30 to +70          | 5.0±0.25                 | 20                          |
| CVCO55BE-1845-1877  | 1845 to 1877          | -106                                     | 0.5 to 4.0           | 20           | -15                  | 0.5±4.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-1848-1852  | 1848 to 1852          | -104                                     | 0.5 to 2.0           | 20           | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.20                 | 35                          |
| CVCO55CC-1850-1850  | 1850 to 1850          | -117                                     | 0.5 to 4.5           | 9            | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55BE-1874-2074  | 1874 to 2074          | -100                                     | 0.5 to 4.5           | 75           | -15                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1896-1924  | 1896 to 1924          | -104                                     | 0.3 to 4.7           | 18           | -15                  | 4.0±2.5            | -40 to +85          | 5.0±0.25                 | 33                          |
| CVCO55BE-1900-2762  | 1900 to 2762          | -92                                      | 0.5 to 9.5           | 140          | -7                   | 6.0±3.0            | -40 to +85          | 10.0±0.25                | 13                          |
| CVCO55BE-1910-2010  | 1910 to 2010          | -101                                     | 0.3 to 4.7           | 45           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-1912-2114  | 1912 to 2114          | -106                                     | 0.5 to 4.5           | 69           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 23                          |
| CVCO55BE-1920-2100  | 1920 to 2100          | -95                                      | 0.5 to 4.5           | 68           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-1920-2120  | 1920 to 2120          | -106                                     | 0.1 to 4.9           | 60           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-1930-1990  | 1930 to 1990          | -105                                     | 0.5 to 4.5           | 70           | -15                  | 2.5±2.5            | -40 to +70          | 5.0±0.25                 | 20                          |
| CVCO55CC-1930-1990  | 1930 to 1990          | -115                                     | 1.0 to 10.0          | 15           | -15                  | 5.5±2.5            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-1930-2110  | 1930 to 2110          | -110                                     | 0.5 to 18.0          | 15           | -12                  | 0.0±3.0            | -30 to +70          | 8.0±0.40                 | 35                          |
| CVCO55BE-1930-2400  | 1930 to 2400          | -100                                     | 0.5 to 18.0          | 40           | -15                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-1935-2235  | 1935 to 2235          | -101                                     | 0.5 to 9.5           | 50           | -10                  | 8.5±2.5            | -40 to +85          | 10.0±0.50                | 25                          |
| CVCO55BE-1950-2070  | 1950 to 2070          | -102                                     | 0.5 to 4.5           | 40           | -20                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 18                          |
| CVCO55BE-1950-2150  | 1950 to 2150          | -96                                      | 0.5 to 4.5           | 40           | -15                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-1969-2151  | 1969 to 2151          | -96                                      | 1.0 to 4.0           | 70           | -10                  | 9.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2000-2000  | 2000 to 2000          | -105                                     | 0.5 to 4.5           | 25           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-2000-2000  | 2000 to 2000          | -118                                     | 0.3 to 4.7           | 7            | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.25                 | 30                          |
| CVCO55CC-2000-2060  | 2000 to 2060          | -115                                     | 1.0 to 10.0          | 15           | -15                  | 5.5±2.5            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55BE-2000-2100  | 2000 to 2100          | -96                                      | 0.5 to 4.5           | 35           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-2000-2300  | 2000 to 2300          | -110                                     | 0.5 to 18.0          | 30           | -12                  | 0.0±3.0            | -30 to +70          | 8.0±0.40                 | 35                          |
| CVCO55BE-2000-2800  | 2000 to 2800          | -94                                      | 1.0 to 24.0          | 5            | -15                  | 0.5±5.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2005-2070  | 2005 to 2070          | -112                                     | 0.3 to 4.7           | 20           | -25                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CCQ-2005-2070 | 2005 to 2070          | -115                                     | 0.1 to 4.9           | 20           | -15                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |



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0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CC-2010-2485  | 2010 to 2485          | -105                                     | 0.5 to 18.0          | 33           | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2032-2032  | 2032 to 2032          | -118                                     | 0.5 to 4.5           | 10           | -20                  | 4.5±1.5            | -40 to +85          | 5.0±0.25                 | 37                          |
| CVCO55CC-2039-2283  | 2039 to 2283          | -106                                     | 0.5 to 16.0          | 20           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2040-2240  | 2040 to 2240          | -108                                     | 1.0 to 11.0          | 26           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-2048-2048  | 2048 to 2048          | -120                                     | 0.5 to 4.5           | 5            | -20                  | 7.0±2.0            | -30 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-2050-2474  | 2050 to 2474          | -103                                     | 0.0 to 16.0          | 30           | -15                  | -2.5±2.5           | -40 to +75          | 8.0±0.40                 | 28                          |
| CVCO55CC-2060-2130  | 2060 to 2130          | -110                                     | 0.3 to 4.7           | 20           | -25                  | 3.0±3.0            | -40 to +75          | 5.0±0.25                 | 30                          |
| CVCO55BE-2060-2300  | 2060 to 2300          | -100                                     | 0.3 to 4.7           | 65           | -15                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 33                          |
| CVCO55BE-2074-2284  | 2074 to 2284          | -100                                     | 0.5 to 4.5           | 60           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 27                          |
| CVCO55CC-2080-2080  | 2080 to 2080          | -118                                     | 0.3 to 4.7           | 7            | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.25                 | 30                          |
| CVCO55BE-2100-2200  | 2100 to 2200          | -98                                      | 0.5 to 4.5           | 50           | -12                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-2100-2300  | 2100 to 2300          | -103                                     | 0.3 to 4.7           | 60           | -18                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2100-2830  | 2100 to 2830          | -95                                      | 0.5 to 25.0          | 36           | -8                   | 6.0±3.5            | -40 to +85          | 12.0±0.50                | 35                          |
| CVCO55BE-2110-2170  | 2110 to 2170          | -105                                     | 0.5 to 4.5           | 40           | -10                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-2120-2200  | 2120 to 2200          | -110                                     | 0.5 to 22.0          | 20           | -12                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2120-2320  | 2120 to 2320          | -106                                     | 0.1 to 4.9           | 60           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2122-2242  | 2122 to 2242          | -110                                     | 0.5 to 4.5           | 45           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2128-2128  | 2128 to 2128          | -117                                     | 0.3 to 4.7           | 7            | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2130-2220  | 2130 to 2220          | -101                                     | 0.5 to 4.5           | 35           | -12                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2130-2360  | 2130 to 2360          | -103                                     | 0.5 to 4.5           | 25           | -12                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2135-2600  | 2135 to 2600          | -96                                      | 1.0 to 8.0           | 93           | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-2150-2150  | 2150 to 2150          | -118                                     | 0.3 to 4.7           | 7            | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.25                 | 30                          |
| CVCO55CC-2160-2160  | 2160 to 2160          | -118                                     | 0.3 to 4.7           | 7            | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.25                 | 30                          |
| CVCO55BE-2160-2350  | 2160 to 2350          | -100                                     | 0.5 to 10.0          | 30           | -20                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CW-2160-2350  | 2160 to 2350          | -100                                     | 0.5 to 10.0          | 30           | -20                  | 2.5±2.5            | -40 to +75          | 5.0±0.25                 | 35                          |
| CVCO55CC-2175-2175  | 2175 to 2175          | -120                                     | 0.5 to 4.5           | 7            | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-2186-2250  | 2186 to 2250          | -111                                     | 0.5 to 4.5           | 25           | -30                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2200-2260  | 2200 to 2260          | -111                                     | 0.5 to 4.5           | 20           | -30                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-2200-2285  | 2200 to 2285          | -105                                     | 0.5 to 4.5           | 40           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2200-2400  | 2200 to 2400          | -110                                     | 1.0 to 12.0          | 22           | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 28                          |
| CVCO55BE-2200-2570  | 2200 to 2570          | -101                                     | 1.0 to 17.0          | 46           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2200-2660  | 2200 to 2660          | -103                                     | 0.5 to 14.0          | 45           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2207-2207  | 2207 to 2207          | -118                                     | 0.5 to 4.5           | 10           | -10                  | 4.5±1.5            | -40 to +85          | 5.0±0.25                 | 37                          |
| CVCO55CC-2230-2430  | 2230 to 2430          | -106                                     | 0.1 to 4.9           | 60           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2233-2287  | 2233 to 2287          | -105                                     | 0.5 to 4.5           | 32           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2250-2250  | 2250 to 2250          | -90                                      | 0.3 to 4.7           | 90           | -15                  | 0.0±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2250-2290  | 2250 to 2290          | -106                                     | 0.3 to 4.7           | 20           | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2250-2650  | 2250 to 2650          | -103                                     | 1.0 to 12.0          | 48           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55BE-2257-2260  | 2257 to 2260          | -106                                     | 0.5 to 4.5           | 20           | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2270-2330  | 2270 to 2330          | -103                                     | 1.0 to 5.0           | 30           | -12                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2270-3180  | 2270 to 3180          | -85                                      | 1.0 to 20.0          | 50           | -12                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2275-2290  | 2275 to 2290          | -115                                     | 0.5 to 4.5           | 8            | -25                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2269-2580  | 2269 to 2580          | -107                                     | 0.5 to 16.0          | 30           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2290-2410  | 2290 to 2410          | -105                                     | 0.5 to 4.5           | 40           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BE-2300-2360  | 2300 to 2360          | -101                                     | 0.5 to 4.5           | 25           | -12                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2300-2400  | 2300 to 2400          | -105                                     | 0.5 to 4.5           | 30           | -20                  | 0.0±2.5            | -40 to +85          | 5.0±0.25                 | 30                          |





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| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm. Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CC-2300-2400  | 2300 to 2400          | -104                                     | 0.3 to 4.7           | 35           | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-2300-2450  | 2300 to 2450          | -100                                     | 0.5 to 4.5           | 56           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 29                          |
| CVCO55CC-2300-2450  | 2300 to 2450          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 4.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2300-2500  | 2300 to 2500          | -103                                     | 0.5 to 11.0          | 50           | -12                  | 5.5±3.5            | -40 to +85          | 8.0±0.40                 | 29                          |
| CVCO55BE-2300-2575  | 2300 to 2575          | -102                                     | 0.5 to 18.0          | 20           | -15                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-2310-2320  | 2310 to 2320          | -120                                     | 0.5 to 4.5           | 6            | -15                  | 6.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-2310-2376  | 2310 to 2376          | -120                                     | 0.5 to 4.5           | 7            | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 28                          |
| CVCO55CC-2328-2536  | 2328 to 2536          | -105                                     | 0.5 to 4.5           | 78           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2340-3750  | 2340 to 3750          | -95                                      | 1.0 to 15.0          | 47           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2365-2415  | 2365 to 2415          | -120                                     | 0.5 to 10.0          | 10           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-2370-2385  | 2370 to 2385          | -116                                     | 0.3 to 4.7           | 8            | -25                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CCQ-2380-2380 | 2380 to 2380          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2380-2580  | 2380 to 2580          | -111                                     | 0.5 to 15.0          | 10           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2380-2610  | 2380 to 2610          | -113                                     | 1.0 to 16.0          | 20           | -15                  | 3.0±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2400-2400  | 2400 to 2400          | -120                                     | 1.0 to 10.0          | 4            | -25                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 50                          |
| CVCO55CCQ-2400-2400 | 2400 to 2400          | -120                                     | 0.3 to 4.7           | 10           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2400-2415  | 2400 to 2415          | -116                                     | 0.3 to 4.7           | 8            | -25                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BE-2400-2500  | 2400 to 2500          | -100                                     | 0.0 to 3.0           | 65           | -20                  | 0.0±3.0            | -40 to +85          | 3.3±0.165                | 20                          |
| CVCO55CC-2400-2569  | 2400 to 2569          | -102                                     | 0.5 to 4.5           | 55           | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2400-2600  | 2400 to 2600          | -110                                     | 1.0 to 12.0          | 20           | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 28                          |
| CVCO55BE-2400-2650  | 2400 to 2650          | -94                                      | 0.5 to 8.0           | 45           | -22                  | 5.0±4.0            | -40 to +85          | 5.0±0.25                 | 33                          |
| CVCO55BE-2400-2670  | 2400 to 2670          | -102                                     | 1.0 to 17.0          | 35           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55CC-2417-2547  | 2417 to 2547          | -108                                     | 0.3 to 4.7           | 40           | -25                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2425-2440  | 2425 to 2440          | -113                                     | 0.3 to 4.7           | 10           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BX-2425-2820  | 2425 to 2820          | -100                                     | 0.5 to 18.0          | 28           | -10                  | 0.0±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BY-2425-2820  | 2425 to 2820          | -100                                     | 0.5 to 18.0          | 20           | -6                   | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2425-2820  | 2425 to 2820          | -100                                     | 0.5 to 18.0          | 28           | -10                  | 0.0±2.5            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2430-2550  | 2430 to 2550          | -103                                     | 0.5 to 4.5           | 44           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-2430-2550  | 2430 to 2550          | -106                                     | 0.3 to 4.7           | 44           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BE-2430-2585  | 2430 to 2585          | -99                                      | 0.2 to 4.8           | 38           | -16                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-2430-2630  | 2430 to 2630          | -106                                     | 0.1 to 4.9           | 60           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2435-2485  | 2435 to 2485          | -120                                     | 0.3 to 10.0          | 10           | -15                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-2440-2540  | 2440 to 2540          | -110                                     | 0.5 to 4.5           | 38           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2465-2485  | 2465 to 2485          | -120                                     | 0.5 to 10.0          | 35           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2475-2900  | 2475 to 2900          | -100                                     | 0.0 to 16.0          | 30           | -15                  | -2.5±2.5           | -40 to +85          | 8.0±0.40                 | 28                          |
| CVCO55CC-2480-2960  | 2480 to 2960          | -106                                     | 0.5 to 18.0          | 33           | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2490-2530  | 2490 to 2530          | -104                                     | 0.5 to 4.5           | 15           | -15                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2495-2625  | 2495 to 2625          | -100                                     | 0.5 to 4.5           | 59           | -20                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2496-2704  | 2496 to 2704          | -105                                     | 0.5 to 4.5           | 78           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2500-2600  | 2500 to 2600          | -109                                     | 0.5 to 4.5           | 32           | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2500-2740  | 2500 to 2740          | -104                                     | 0.3 to 4.7           | 90           | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2510-2610  | 2510 to 2610          | -110                                     | 0.5 to 4.5           | 38           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2515-2530  | 2515 to 2530          | -116                                     | 0.3 to 4.7           | 8            | -25                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2542-2662  | 2542 to 2662          | -105                                     | 0.5 to 4.5           | 40           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2545-2560  | 2545 to 2560          | -116                                     | 0.3 to 4.7           | 8            | -25                  | 4.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BE-2550-2570  | 2550 to 2570          | -105                                     | 0.5 to 4.5           | 12           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |





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## Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55BE-2550-2740  | 2550 to 2740          | -95                                      | 0.3 to 4.7           | 90           | -15                  | 5.0±3.0            | 0 to +55            | 5.0±0.10                 | 25                          |
| CVCO55CC-2555-2695  | 2555 to 2695          | -104                                     | 0.3 to 4.7           | 50           | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-2560-2850  | 2560 to 2850          | -100                                     | 1.0 to 15.0          | 47           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2560-2920  | 2560 to 2920          | -102                                     | 0.0 to 18.0          | 28           | -10                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2560-3200  | 2560 to 3200          | -90                                      | 0.5 to 11.0          | 110          | -20                  | 6.0±3.0            | -40 to +85          | 10.0±0.50                | 25                          |
| CVCO55CC-2567-2741  | 2567 to 2741          | -108                                     | 0.1 to 16.0          | 20           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CC-2580-2620  | 2580 to 2620          | -110                                     | 0.5 to 4.5           | 26           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2580-2650  | 2580 to 2650          | -108                                     | 0.5 to 4.5           | 26           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2580-2860  | 2580 to 2860          | -110                                     | 0.5 to 16.0          | 10           | -20                  | 4.5±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2585-2715  | 2585 to 2715          | -106                                     | 0.3 to 4.7           | 40           | -25                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2594-3026  | 2594 to 3026          | -106                                     | 0.1 to 16.0          | 31           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-2600-2800  | 2600 to 2800          | -111                                     | 1.0 to 12.0          | 20           | -20                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 29                          |
| CVCO55BE-2600-2900  | 2600 to 2900          | -95                                      | 0.3 to 4.7           | 87           | -22                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2600-3100  | 2600 to 3100          | -90                                      | 1.0 to 10.0          | 110          | -20                  | 6.0±3.0            | -40 to +85          | 10.0±0.50                | 25                          |
| CVCO55BE-2620-2686  | 2620 to 2686          | -105                                     | 0.5 to 4.5           | 25           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2620-2710  | 2620 to 2710          | -110                                     | 0.5 to 4.5           | 34           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2620-2862  | 2620 to 2862          | -113                                     | 1.0 to 16.0          | 20           | -15                  | 3.0±2.5            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2620-2910  | 2620 to 2910          | -100                                     | 1.0 to 17.0          | 35           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55BE-2650-2700  | 2650 to 2700          | -105                                     | 2.0 to 7.0           | 20           | -10                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55BE-2650-2800  | 2650 to 2800          | -102                                     | 0.5 to 4.5           | 40           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2675-2950  | 2675 to 2950          | -100                                     | 1.0 to 17.0          | 35           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55BE-2700-3275  | 2700 to 3275          | -95                                      | 1.0 to 15.0          | 75           | -22                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2732-3120  | 2732 to 3120          | -101                                     | 0.5 to 18.0          | 30           | -10                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2735-2956  | 2735 to 2956          | -103                                     | 0.5 to 4.5           | 78           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2745-2860  | 2745 to 2860          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 4.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2748-2956  | 2748 to 2956          | -105                                     | 0.5 to 4.5           | 35           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2750-3175  | 2750 to 3175          | -100                                     | 1.0 to 15.0          | 47           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2756-2756  | 2756 to 2756          | -120                                     | 0.5 to 4.5           | 5            | -15                  | 6.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2767-2825  | 2767 to 2825          | -110                                     | 0.5 to 11.5          | 15           | -10                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-2767-2825  | 2767 to 2825          | -98                                      | 0.5 to 11.5          | 35           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2770-2920  | 2770 to 2920          | -106                                     | 0.5 to 4.5           | 50           | -15                  | 4.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2778-2945  | 2778 to 2945          | -110                                     | 0.1 to 16.0          | 15           | -10                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-2809-2921  | 2809 to 2921          | -108                                     | 0.3 to 4.7           | 40           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-2810-2840  | 2810 to 2840          | -103                                     | 0.5 to 4.5           | 12           | -15                  | 6.0±4.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-2818-2835  | 2818 to 2835          | -113                                     | 0.5 to 4.5           | 10           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2837-2967  | 2837 to 2967          | -105                                     | 0.3 to 4.7           | 40           | -25                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2850-2950  | 2850 to 2950          | -105                                     | 0.3 to 4.7           | 35           | -15                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-2850-3175  | 2850 to 3175          | -100                                     | 1.0 to 15.0          | 47           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-2850-3210  | 2850 to 3210          | -103                                     | 0.5 to 14.0          | 35           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2865-3100  | 2865 to 3100          | -90                                      | 0.5 to 4.5           | 110          | -15                  | 1.0±3.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-2895-3035  | 2895 to 3035          | -108                                     | 0.5 to 15.0          | 14           | -15                  | 4.5±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-2900-3100  | 2900 to 3100          | -98                                      | 1.0 to 17.0          | 35           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55BE-2900-3273  | 2900 to 3273          | -100                                     | 0.5 to 18.0          | 28           | -10                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-2900-3300  | 2900 to 3300          | -95                                      | 0.0 to 16.0          | 30           | -15                  | -2.5±2.5           | -40 to +85          | 8.0±0.40                 | 28                          |
| CVCO55CC-2950-2950  | 2950 to 2950          | -115                                     | 0.5 to 4.5           | 15           | -15                  | 9.0±3.0            | -40 to +85          | 5.0±0.25                 | 13                          |
| CVCO55BE-2950-4200  | 2950 to 4200          | -87                                      | 1.5 to 18.0          | 100          | -15                  | -2.5±2.5           | -40 to +85          | 5.0±0.25                 | 40                          |



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# Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CW-2950-4200  | 2950 to 4200          | -87                                      | 1.5 to 18.0          | 100          | -15                  | -2.5±2.5           | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-2962-3388  | 2962 to 3388          | -106                                     | 0.1 to 16.0          | 31           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-2970-3190  | 2970 to 3190          | -96                                      | 0.3 to 4.7           | 107          | -20                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 27                          |
| CVCO55CC-2970-3230  | 2970 to 3230          | -104                                     | 0.5 to 4.5           | 80           | -20                  | 5.0±2.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-2974-3274  | 2974 to 3274          | -98                                      | 0.3 to 4.7           | 100          | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 27                          |
| CVCO55CC-2990-3400  | 2990 to 3400          | -102                                     | 0.5 to 22.0          | 30           | -10                  | 0.0±4.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BE-3000-3100  | 3000 to 3100          | -101                                     | 0.5 to 11.5          | 23           | -15                  | 5.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-3000-3170  | 3000 to 3170          | -109                                     | 0.5 to 15.0          | 20           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3015-3045  | 3015 to 3045          | -109                                     | 0.5 to 4.5           | 13           | -25                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-3020-3050  | 3020 to 3050          | -98                                      | 0.3 to 4.7           | 12           | -15                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55BES-3020-3265 | 3020 to 3265          | -98                                      | 0.5 to 11.5          | 30           | -15                  | 4.0±6.0            | -40 to +85          | 6.8±0.34                 | 25                          |
| CVCO55BE-3025-3125  | 3025 to 3125          | -98                                      | 0.3 to 4.7           | 34           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-3050-3400  | 3050 to 3400          | -98                                      | 1.0 to 20.0          | 40           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CW-3050-4250  | 3050 to 4250          | -85                                      | 1.5 to 18.5          | 100          | -15                  | 1.5±3.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-3070-3325  | 3070 to 3325          | -98                                      | 1.0 to 17.0          | 36           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55BE-3080-3218  | 3080 to 3218          | -100                                     | 0.5 to 4.5           | 50           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-3100-3350  | 3100 to 3350          | -98                                      | 0.3 to 4.7           | 30           | -15                  | 4.0±4.0            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55BE-3130-3230  | 3130 to 3230          | -96                                      | 0.5 to 4.5           | 40           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-3136-3214  | 3136 to 3214          | -96                                      | 1.0 to 4.0           | 40           | -10                  | 9.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BE-3150-3250  | 3150 to 3250          | -98                                      | 0.3 to 4.7           | 75           | -20                  | 4.0±4.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-3175-3375  | 3175 to 3375          | -106                                     | 0.1 to 16.0          | 20           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3175-3536  | 3175 to 3536          | -100                                     | 1.0 to 15.0          | 47           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CC-3180-3710  | 3180 to 3710          | -102                                     | 0.1 to 16.0          | 56           | -15                  | 0.0±2.5            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3200-3200  | 3200 to 3200          | -114                                     | 0.5 to 4.5           | 8            | -12                  | 6.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-3200-3400  | 3200 to 3400          | -96                                      | 0.0 to 5.0           | 60           | -15                  | 1.0±3.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55BE-3203-3317  | 3203 to 3317          | -100                                     | 0.5 to 4.5           | 45           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-3205-3317  | 3205 to 3317          | -107                                     | 0.3 to 4.7           | 40           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 28                          |
| CVCO55BE-3206-3306  | 3206 to 3306          | -97                                      | 0.5 to 4.5           | 40           | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CC-3227-3437  | 3227 to 3437          | -100                                     | 0.5 to 4.5           | 78           | -15                  | 7.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-3237-3385  | 3237 to 3385          | -108                                     | 0.1 to 16.0          | 10           | -10                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-3245-3500  | 3245 to 3500          | -97                                      | 1.0 to 20.0          | 27           | -15                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 38                          |
| CVCO55CC-3271-3503  | 3271 to 3503          | -108                                     | 0.1 to 16.0          | 17           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-3274-3280  | 3274 to 3280          | -115                                     | 0.3 to 4.7           | 8            | -12                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 30                          |
| CVCO55CC-3318-3467  | 3318 to 3467          | -106                                     | 0.1 to 16.0          | 20           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3345-3955  | 3345 to 3955          | -100                                     | 0.5 to 23.0          | 44           | -20                  | 3.0±2.0            | -40 to +85          | 10.0±0.50                | 40                          |
| CVCO55CC-3350-3500  | 3350 to 3500          | -108                                     | 0.1 to 16.0          | 17           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-3350-3500  | 3350 to 3500          | -97                                      | 0.3 to 4.7           | 45           | -30                  | 2.5±2.0            | -40 to +85          | 5.0±0.25                 | 20                          |
| CVCO55CC-3366-3597  | 3366 to 3597          | -106                                     | 0.1 to 16.0          | 17           | -15                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3395-3605  | 3395 to 3605          | -100                                     | 0.5 to 4.5           | 78           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55BE-3430-3480  | 3430 to 3480          | -97                                      | 0.5 to 4.5           | 48           | -30                  | 2.5±2.5            | -40 to +85          | 5.0±0.25                 | 22                          |
| CVCO55CC-3435-3458  | 3435 to 3458          | -105                                     | 1.0 to 11.0          | 6            | -12                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-3475-3475  | 3475 to 3475          | -115                                     | 0.5 to 4.5           | 7            | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CW-3480-3950  | 3480 to 3950          | -98                                      | 2.0 to 12.0          | 56           | -20                  | 0.0±3.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CC-3500-3700  | 3500 to 3700          | -108                                     | 0.1 to 16.0          | 22           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CW-3500-4500  | 3500 to 4500          | -90                                      | 0.5 to 15.0          | 90           | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BH-3600-3800  | 3600 to 3800          | -92                                      | 0.5 to 4.5           | 100          | -15                  | 4.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |



**CRYSTEK**  
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## Model CVCO55 VCO Selector Guide

0.500"x0.500" SMD



| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Tuning Voltage (Vdc) | Kvco (MHz/V) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------------|------------------------------------------|----------------------|--------------|----------------------|--------------------|---------------------|--------------------------|-----------------------------|
| CVCO55CC-3612-3668  | 3612 to 3668          | -108                                     | 0.5 to 11.5          | 15           | -15                  | -4.0±2.0           | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3619-3711  | 3619 to 3711          | -106                                     | 0.1 to 16.0          | 10           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-3647-3857  | 3647 to 3857          | -100                                     | 0.5 to 4.5           | 78           | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 40                          |
| CVCO55CC-3713-3713  | 3713 to 3713          | -105                                     | 0.5 to 4.5           | 7            | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-3726-3786  | 3726 to 3786          | -108                                     | 0.5 to 4.5           | 22           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-3745-3955  | 3745 to 3955          | -101                                     | 0.0 to 20.0          | 13           | -15                  | 8.0±3.0            | -40 to +85          | 10.0±0.50                | 40                          |
| CVCO55CC-3750-3800  | 3750 to 3800          | -105                                     | 0.5 to 16.0          | 22           | -15                  | 2.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-3830-3830  | 3830 to 3830          | -108                                     | 0.5 to 4.5           | 7            | -15                  | 7.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CC-3901-4101  | 3901 to 4101          | -104                                     | 0.1 to 16.0          | 22           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55CC-3985-4115  | 3985 to 4115          | -105                                     | 0.5 to 11.5          | 20           | -12                  | 7.0±2.0            | -40 to +85          | 12.0±0.60                | 43                          |
| CVCO55BH-4100-4300  | 4100 to 4300          | -90                                      | 0.5 to 4.5           | 100          | -15                  | 3.0±2.0            | -40 to +85          | 5.0±0.25                 | 15                          |
| CVCO55CC-4124-4238  | 4124 to 4238          | -106                                     | 0.1 to 16.0          | 22           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-4235-4265  | 4235 to 4265          | -90                                      | 1.0 to 7.0           | 30           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-4247-4247  | 4247 to 4247          | -103                                     | 0.5 to 4.5           | 10           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CC-4267-4442  | 4267 to 4442          | -104                                     | 0.1 to 16.0          | 22           | -20                  | 5.0±2.0            | -40 to +85          | 8.0±0.40                 | 40                          |
| CVCO55BE-4900-4900  | 4900 to 4900          | -90                                      | 0.3 to 4.7           | 35           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BH-4940-4940  | 4940 to 4940          | -88                                      | 0.5 to 5.0           | 25           | -20                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BE-5000-5000  | 5000 to 5000          | -93                                      | 0.3 to 4.7           | 35           | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-5150-5150 | 5150 to 5150          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 3.0±4.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BH-5256-5356  | 5256 to 5356          | -86                                      | 1.0 to 4.0           | 56           | -10                  | 0.0±2.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-5340-5490 | 5340 to 5490          | -102                                     | 0.5 to 4.5           | 52           | -30                  | 3.0±2.5            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55BH-5450-5550  | 5450 to 5550          | -85                                      | 0.5 to 4.5           | 50           | -10                  | 1.5±1.5            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BH-5600-5700  | 5600 to 5700          | -85                                      | 0.0 to 3.0           | 125          | -22                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55BHS-5600-5800 | 5600 to 5800          | -80                                      | 0.5 to 4.5           | 125          | -15                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 25                          |
| CVCO55CXT-5760-5820 | 5760 to 5820          | -100                                     | 0.5 to 4.5           | 20           | -30                  | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CXT-5800-5800 | 5800 to 5800          | -100                                     | 0.5 to 4.5           | 20           | -30                  | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55BH-5840-6040  | 5840 to 6040          | -85                                      | 0.3 to 4.7           | 60           | -25                  | 0.0±3.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-6000-6075 | 6000 to 6075          | -100                                     | 0.5 to 4.5           | 20           | -30                  | 5.0±3.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CXT-6016-6016 | 6016 to 6016          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 0.0±4.0            | -40 to +85          | 5.0±0.25                 | 35                          |
| CVCO55CXT-6060-6065 | 6060 to 6065          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CXT-6250-6250 | 6250 to 6250          | -100                                     | 0.5 to 4.5           | 20           | -30                  | 3.0±3.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CXT-6312-6312 | 6312 to 6312          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 35                          |
| CVCO55CXT-6900-6900 | 6900 to 6900          | -100                                     | 0.5 to 4.5           | 52           | -30                  | 4.0±2.0            | -40 to +85          | 8.0±0.40                 | 25                          |
| CVCO55CXT-7000-7000 | 7000 to 7000          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 0.0±5.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-7020-7020 | 7020 to 7020          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 0.0±5.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-7075-7075 | 7075 to 7075          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 0.0±5.0            | -40 to +85          | 5.0±0.25                 | 30                          |
| CVCO55CXT-7250-7250 | 7250 to 7250          | -100                                     | 0.5 to 4.5           | 10           | -30                  | 0.0±5.0            | -40 to +85          | 5.0±0.25                 | 30                          |



**CRYSTEK**  
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PLL/Synthesizers



## PLL/Synthesizer

Model CPLL58  
0.500"x0.800" SMD

Model CPLL66  
0.600"x0.600" SMD

| Crystek Part Number | Frequency Range (MHz) | Phase Noise @ 10kHz offset Typ. (dBc/Hz) | Step Size Typ. (kHz) | 2nd Harm, Typ. (dBc) | Power Output (dBm) | Operating Temp (°C) | VCO Supply Voltage (Vdc) | PLL Supply Voltage (Vdc) |
|---------------------|-----------------------|------------------------------------------|----------------------|----------------------|--------------------|---------------------|--------------------------|--------------------------|
| CPLL58-1600-2200    | 1600 to 2200          | -95                                      | 1000                 | -15                  | 7.0±2.0            | -40 to +85          | 12.0±0.6                 | 3.0±0.30                 |
| CPLL58-1800-1860    | 1800 to 1860          | -103                                     | 10                   | -20                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-2175-2175    | 2175 to 2175          | -95                                      | 100                  | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-2400-2500    | 2400 to 2500          | -95                                      | 1000                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-2416-2553    | 2416 to 2553          | -90                                      | 100                  | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-2450-2450    | 2450 to 2450          | -95                                      | 100                  | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-3160-3380    | 3160 to 3380          | -95                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-3475-3475    | 3475 to 3475          | -95                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-3900-4300    | 3900 to 4300          | -90                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-3925-4175    | 3925 to 4175          | -90                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-4160-4380    | 4160 to 4380          | -90                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |
| CPLL58-4240-4240    | 4240 to 4240          | -95                                      | 2500                 | -15                  | 3.0±3.0            | -40 to +85          | 5.0±0.25                 | 3.0±0.30                 |

|                  |              |      |      |     |         |            |          |          |
|------------------|--------------|------|------|-----|---------|------------|----------|----------|
| CPLL66-1600-2200 | 1600 to 2200 | -95  | 1000 | -15 | 7.0±2.0 | -40 to +85 | 12.0±0.6 | 3.0±0.30 |
| CPLL66-1800-1860 | 1800 to 1860 | -103 | 10   | -20 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-2175-2175 | 2175 to 2175 | -95  | 100  | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-2400-2500 | 2400 to 2500 | -95  | 1000 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-2416-2553 | 2416 to 2553 | -90  | 100  | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-2450-2450 | 2450 to 2450 | -95  | 100  | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-3160-3380 | 3160 to 3380 | -95  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-3475-3475 | 3475 to 3475 | -95  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-3900-4300 | 3900 to 4300 | -90  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-3925-4175 | 3925 to 4175 | -90  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-4160-4380 | 4160 to 4380 | -90  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-4240-4240 | 4240 to 4240 | -95  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |
| CPLL66-4325-4575 | 4325 to 4575 | -85  | 2500 | -15 | 3.0±3.0 | -40 to +85 | 5.0±0.25 | 3.0±0.30 |

(See website for full factory specifications)



Model CRBV  
Connectorized VCOs  
1.250" x 1.250"



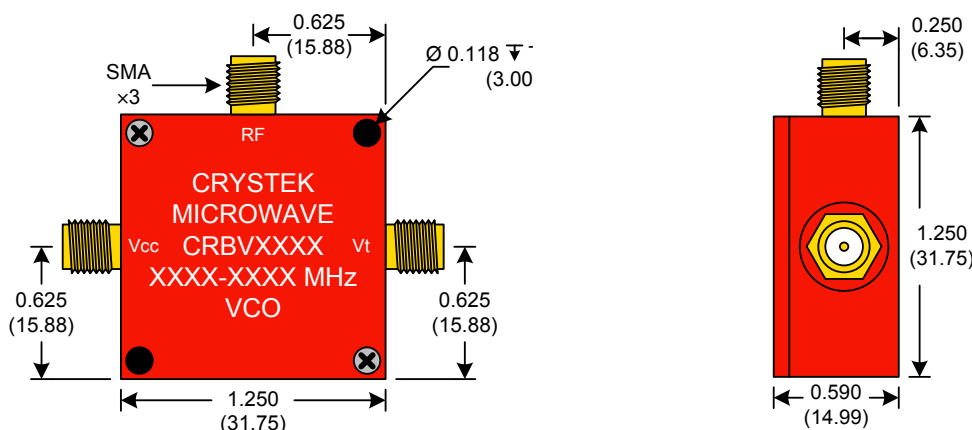
**RedBox®**

**CONNECTORIZED VCOs**  
ENHANCED DURABILITY AND  
EASY INTEGRATION

Crystek enhances its frequency control portfolio with the release of the **RedBox** VCO series of VCOs. Customers can now order VCOs from Crystek in a robust aluminum enclosure (1.25" x 1.25" x 0.59") with SMA connectors. The majority of Crystek's VCO portfolio will be available in the **RedBox**. This series will enhance the VCO's durability and make integration of a VCO into any application an easy, plug-and-play option.

Crystek VCOs are available in narrow to wide band frequencies, feature low phase noise & harmonic suppression, and provide excellent linearity. Crystek's products are well-suited for use in applications such as digital radio equipment, fixed wireless access, satellite communication systems, base stations, personal communications systems, portable radios, and test instruments.

Applications include PLL frequency translation, test and measurement, avionics, point-to-point radios, and multi-point radios.







**CRYSTEK**  
**MICROWAVE**  
A DIVISION OF CRYSTEK CORPORATION

**RF Low Noise  
Frequency Sources**  
1.250"x1.250" Connectorized



**RedBox®**

**CONNECTORIZED**

**LOW NOISE SOURCES FOR  
EASY INTEGRATION**

Crystek enhances its frequency control portfolio with the release of the **RedBox** RF Low Noise Frequency source series. Customers can now order Low Noise Sources from Crystek in a robust aluminum enclosure (1.25" x 1.25" x 0.59") with SMA connectors.

| Crystek Part Number | Frequency (MHz) | Phase Noise @ 1MHz offset Typ. (dBc/Hz) | Output Waveform | Freq. Stability (PPM) Operating Temp (°C) | 2nd Harm, Typ. (dBc) | Power Output (dBm) (Min/Max) | Supply Voltage Vcc (Vdc) | Supply Current Icc Max (mA) |
|---------------------|-----------------|-----------------------------------------|-----------------|-------------------------------------------|----------------------|------------------------------|--------------------------|-----------------------------|
| CRBSCS-01-50.000    | 50.000          | -170                                    | SineWave        | ±25 (-40 to +85)                          | -25                  | +5 / +7                      | 5.5 to 15.0              | 30                          |
| CRBSCS-01-80.000    | 80.000          | -170                                    | SineWave        | ±25 (-40 to +85)                          | -25                  | +5 / +7                      | 5.5 to 15.0              | 30                          |
| CRBSCS-01-100.000   | 100.000         | -170                                    | SineWave        | ±25 (-40 to +85)                          | -25                  | +5 / +7                      | 5.5 to 15.0              | 30                          |
| CRBSCS-01-125.000   | 125.000         | -170                                    | SineWave        | ±25 (-40 to +85)                          | -25                  | +5 / +7                      | 5.5 to 15.0              | 30                          |
| CRBSCS-01-250.000   | 250.000         | -173                                    | SineWave        | ±25 (-40 to +85)                          | -25                  | +10 Min.                     | 5.5 to 15.0              | 50                          |
| CRBSCS-01-310.000   | 310.000         | -173                                    | SineWave        | ±150 (-40 to +85)                         | -20                  | +10 Min.                     | 5.5 to 15.0              | 50                          |
| CRBSCS-01-1000.000  | 1000.000        | -171                                    | SineWave        | ±150 (-40 to +85)                         | -25                  | +8 Min.                      | 5.5 to 15.0              | 50                          |
| CRBSCS-01-2000.000  | 2000.000        | -164                                    | SineWave        | ±150 (-40 to +85)                         | -20                  | +5 Min.                      | 5.5 to 15.0              | 50                          |
| CRBSCS-01-2500.000  | 2500.000        | -155                                    | SineWave        | ±50 (-20 to +70)                          | -20                  | +5 Min.                      | 5.5 to 15.0              | 100                         |

