Excellent Integrated System Limited

Stocking Distributor

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[Cardinal Components](#)
[CX5Z-A5B2C5-40-24.576D18](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

Ceramic Surface Mount

Series CX5

- ***Lowest maximum drive level available***
- ***Widest frequency range***
- ***Very tight stabilities***

Part Numbering Example: CX5 Z - A1 - B2 - C2 60 - 10.0 D18 - 3

CX5	Z	A1*	B2	C2	60	10.0	D18	- 3
SERIES	ADDED FEATURES	OPERATING TEMP.	STABILITY	TOLERANCE	RESISTANCE	FREQUENCY	LOAD CAP.	OVERTONE
CX5	BLANK = BULK PACK Z = TAPE AND REEL	A0 = -10°C ~ +60°C A1 = -10°C ~ +70°C A2 = -40°C ~ +85°C A3 = -55°C ~ +125°C	B1 = ±100 B2 = ± 50 B3 = ± 30 B4 = ± 10	C1 = ±100 C2 = ± 50 C3 = ± 30 C4 = ± 10	SEE CHART BELOW		D16,18,20,ETC. DS = SERIES	BLANK: FUND. -3: 3rd OT -5: 5th OT -7: 7th OT -BT: BT Cut

****NOTE:*** *The above ABC combinations cover basic specification options. We tailor our crystal specifications to meet customer requirements. Please contact our sales department if you don't see exactly what you need.*

Specifications:

Frequency Range:

9.000 ~ 40.320 MHz AT-Cut Fundamental
40.000 ~ 90.000 MHz 3rd Overtone
90.000 ~ 150.000 MHz 5th Overtone

Operating Temperature: 0°C ~ +70°C *Standard*
-40°C ~ +85°C

Frequency Stability: ± 50 ppm *Standard*
Stabilities from ± 5 ppm available.

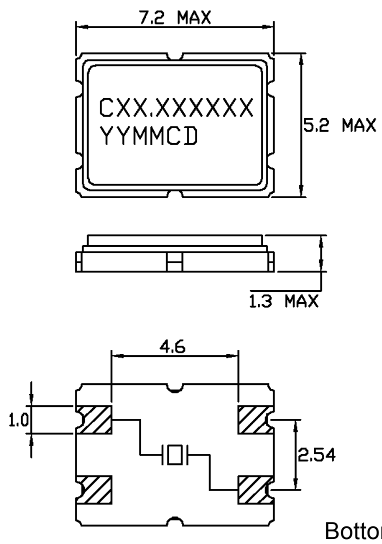
Frequency Tolerance: *(at 25°C)* ± 50 ppm *Standard*
Tolerances from ± 10 ppm available.

Load Capacitance: Parallel or series.
Please specify your required load.

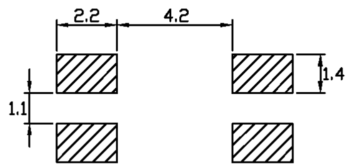
Resistance: Maximum resistance corresponds to frequency.
See chart below.

Standard: Shunt Capacitance: 7 pF Max
Aging: ± 3 ppm first year
Drive Level: 50 µW Max
Packaging: Tape and Reel (1K per Reel)

CX5



Bottom View



Resistance Chart: *All resistances are maximum*

EQUIVALENT SERIES RESISTANCE (ESR), MODE OF OPERATION (MODE), AND CUT					
Frequency MHz	**ESR(Ω)**	**Mode/cut**	**Frequency MHz**	**ESR (Ω)**	**Mode/cut**
9.500~10.999	60 Max	Fund./AT	40.000~49.999	80 Max	3rd Overtone/AT
11.000~13.999	50 Max	Fund./AT	50.000~89.999	50 Max	3rd Overtone/AT
14.000~15.999	40 Max	Fund./AT	90.000~150.000	100 Max	5th Overtone/AT
16.000~39.999	30 Max	Fund./AT			

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