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[NT3225SA-26.000000MHZ-G8](#)

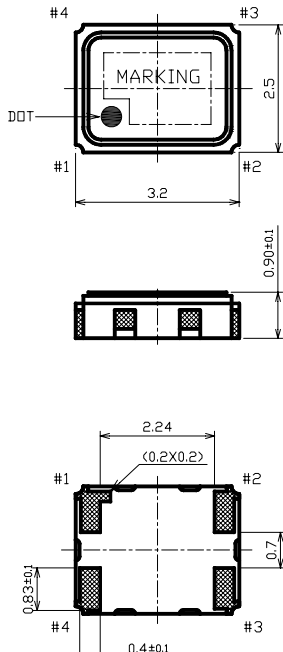
For any questions, you can email us directly:

sales@integrated-circuit.com

Specification of Quartz Crystal Controlled Oscillators

- 1 NDK Part Number** NT3225SA-26M-DJA3006A
- 2 NDK Specification Number** DJA3006A
- 3 Type** NT3225SA
- 4 Rating**
 - 4.1 Nominal Frequency (f_{nom}) 26 MHz (2 digits marking)
 - 4.2 Supply Voltage +2.75 V +0.05/-0.15 V DC (-Earth)
 - 4.3 Current Consumption Max. 2.0 mA
 - 4.4 Output Voltage 0.8 to 1.3 V_{p-p} Clipped sine wave (DC-Coupling)
 - 4.5 Operable Temperature Range -10 to +85 °C
 - 4.6 Storage Temperature Range -40 to +85 °C
 - 4.7 Load impedance 10 kΩ//3.5 pF
 - 4.8 DC-cut Capacitor DC-cut capacitor of output is not put in TCXO.
Please add DC-cut capacitor (1000 pF) in output line.
- 5 Electrical specification**
 - 5.1 Frequency Stability**
 - 5.1.1 Frequency / Temperature Characteristics Max. +/-2.5 ppm / -10 to +85 °C (Based on frequency at +25 +/-2 °C)
 - 5.1.2 Frequency / Voltage Coefficient Max. +/-0.2 ppm / +2.7 V +/-0.1 V
 - 5.1.3 Frequency / Load Coefficient Max. +/-0.2 ppm / (10 kΩ // 3.5 pF) +/-10%
 - 5.1.4 Frequency Tolerance at Control Voltage ($V_{cont} = +1.2$ V DC)
 - Max. +/-1.0 ppm (at +25 +/-2 °C, before reflow soldering, based on nominal frequency)
 - Max. +/-2.0 ppm (at +25 +/-2 °C, after reflow soldering, based on nominal frequency)
 - 5.1.5 Long-term Frequency Stability
 - Max. +/-1.0 ppm / year
 - Max. +/-5.0 ppm / 10 years
 - 5.2 External Adjustment**
 - 5.2.1 Control Voltage (V_{cont}) +1.2 V +/-1.0 V DC
 - 5.2.2 Frequency control range based on frequency at $V_{cont} = +1.2$ V DC +/-9.0 to +/-16.0 ppm
 - 5.2.3 Frequency Control Sensitivity Max. 16.0 ppm/V
 - 5.2.4 Frequency Change Polarity Positive
 - 5.2.5 Input Impedance Min. 500 kΩ
 - 5.2.6 Linearity of frequency modulation deviation Max. +/-20 %
 - 5.3 Start-up Time Max. 5.0 ms (More than 90 % of final output voltage)
 - 5.4 Stabilization Time Max. 5.0 ms (Less than +/-0.5 ppm of steady state frequency)
 - 5.5 Harmonic Distortion
 - Max. -10 dBc (3rd)
 - Max. -20 dBc (other)
 - 5.6 Phase Noise
 - Max. -110 dBc/Hz (@ 100 Hz offset)
 - Max. -130 dBc/Hz (@ 1 kHz offset)

6 Dimension



(Unit: mm)

