

ISSUE 1; February 2021

Description

- Tight stability crystal oscillator, using some minor temperature compensation, in a ceramic package with a metal lid.

Frequency Parameters

- Frequency 40.0MHz to 80.0MHz
- Frequency Stability ±10.00ppm
- Frequency Stability: Includes frequency tolerance @ 25°C, operating temperature range, supply voltage variation, load variation and 1st year's ageing @ 25°C.

Electrical Parameters

- Supply Voltage 3.3V ±5%

Operating Temperature Ranges

- -40 to 80°C

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Output Voltage Levels:
 Output Low (VoL): 10%Vs max
 Output High (VoH): 90%Vs min
- Start Up Time (0V to Vs): 5ms max

Output Control

- Enable/Disable Mode:
 Logic '0' (30%Vs max) to pad 1 disables oscillator output, the output goes to a high impedance state.
 Logic '1' (70%Vs min) or no connection to pad 1 enables oscillator output.

Environmental Parameters

- Storage Temperature Range: -55 to 125°C

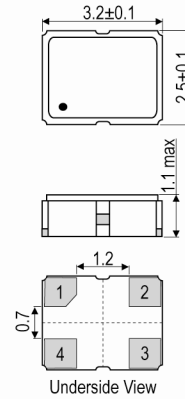
Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

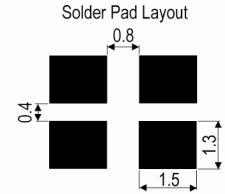
Packaging Details

- Pack Style: Cutt In tape cut from a reel
 Pack Size: 100
- Pack Style: Reel Tape and reel in accordance with
 Pack Size: 1,000 EIA-481-D

Outline (mm)



- Pad Connections
1. Enable/Disable
 2. GND
 3. Output
 4. +Vs



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Electrical Specification - maximum limiting values 3.3V \pm 5%

Frequency Min	Frequency Max	Temperature Range	Stability	Current Draw	Rise and Fall Time	Duty Cycle
		°C	ppm	mA	ns	%
40.0MHz	80.0MHz	-40 to 80	\pm 10.0	11	3	45/55

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