

ISSUE 4; October 2020

Description

- A quartz crystal in a ceramic package with a electron beam sealed metal lid.

Frequency Parameters

- Frequency 32.0MHz to 80.0MHz
- Frequency Tolerance $\pm 7.00\text{ppm}$ to $\pm 100.00\text{ppm}$
- Frequency Stability $\pm 10.00\text{ppm}$ to $\pm 50.00\text{ppm}$

Electrical Parameters

- Load Capacitance (CL) 5.0pF to 30.0pF
- Drive Level 100 μ W max

Operating Temperature Ranges

- -20 to 70°C
- -40 to 85°C

Environmental Parameters

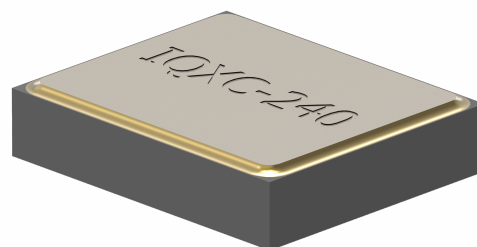
- Storage Temperature Range: -55 to 125°C

Compliance

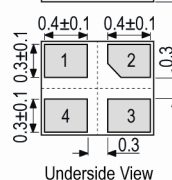
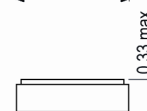
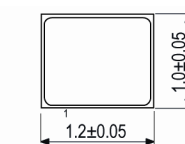
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481D
Pack Size: 5,000
- Pack Style: Cutt Cut tape
Pack Size: 100



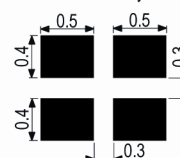
Outline (mm)



Pad Connections

1. Crystal
 2. GND(Lid)
 3. Crystal
 4. N/C
- Note: connect pad 2 to GND for correct operation.

Solder Pad Layout



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Electrical Specification - maximum limiting values

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Over Tone Order	ESR
		°C	ppm		Ω
32.0MHz	33.0MHz	-20 to 70 -40 to 85	±10 ±15	Fundamental	100
33.000001MHz	37.0MHz	-20 to 70 -40 to 85	±10 ±15	Fundamental	80
37.000001MHz	80.0MHz	-20 to 70 -40 to 85	±10 ±15	Fundamental	60

*Stability Maximum values ±50ppm

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