

ISSUE 2; January 2018

Description

- 4.9 x 1.8mm SMD crystal
Suitable for real time clock applications
Ceramic package with a seam sealed metal lid, hermetically sealed

Frequency Parameters

- Frequency 32.768kHz
- Frequency Tolerance ± 20.00 ppm
- Ageing ± 3 ppm max 1st year at 25°C

Electrical Parameters

- Load Capacitance (CL) 9.0pF to 12.5pF
- Shunt Capacitance (C0) 1.33pF typical
- Drive Level 1.0 μ W max

Operating Temperature Ranges

- 40 to 85°C
- 40 to 125°C

Environmental Parameters

- Storage temperature range: -55 to 125°C
- Drop: 75cm drop (3 times) onto hard wooden board
- Vibration: 1.5mm amplitude, 10Hz-500Hz or acceleration 10G, 1.5mins in 3 mutually perpendicular planes, duration 2hrs each plane (total 6hrs)

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow 260degC 10s

Ordering Information

- Frequency*
Model*
Frequency Tolerance (@25°C)
Load Capacitance*
- Example
32.768kHz IQXC-44
20/-/12.5

Compliance

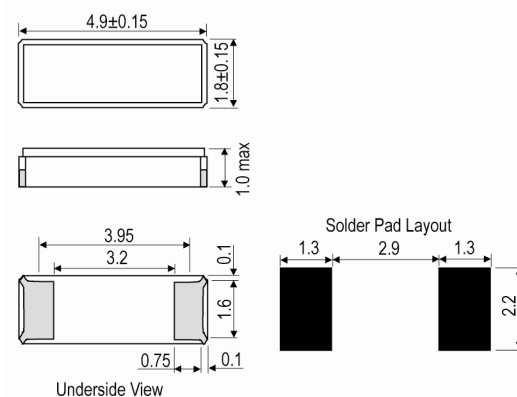
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Cutt Cut tape
Pack Size: 100
- Pack Style: Bulk Loose in bulk pack
Pack Size: 100
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 3,000



Outline (mm)



Sales Office Contact Details:

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Electrical Specification - maximum limiting values

Frequency	Temperature Range	Stability (Min)	Over Tone Order	ESR
	°C	ppm		Ω
32.768000kHz	-40 to 85	-	Fundamental	70,000
	-40 to 125	-	Fundamental	100,000

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