

ISSUE 2; February 2017

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 $\pm 20.00\text{ppm}$
- Ageing $\pm 3\text{ppm max 1st year at } 25^{\circ}\text{C}$

Electrical Parameters

- Load Capacitance (CL) 9.0pF to 12.5pF
- Shunt Capacitance (C0) 1.33pF typical
- Drive Level 1.0 $\mu\text{W max}$

Operating Temperature Ranges

- 40 to 85 $^{\circ}\text{C}$
- 40 to 125 $^{\circ}\text{C}$

Environmental Parameters

- Storage temperature range: -55 to 125 $^{\circ}\text{C}$
- 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)

Ordering Information

- Frequency*
- Model*
- Frequency Tolerance (@25 $^{\circ}\text{C}$)
- Load Capacitance*
- Example
- 32.768kHz IQXC-44
- 20/-/12.5

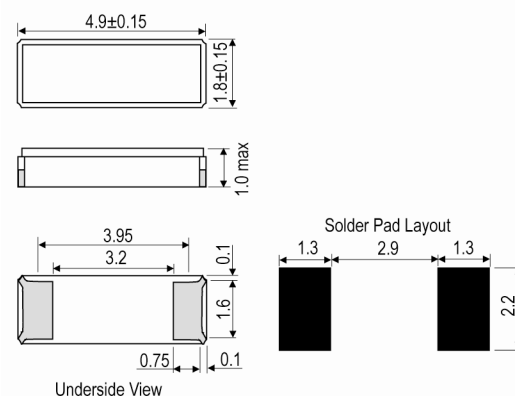
Compliance

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

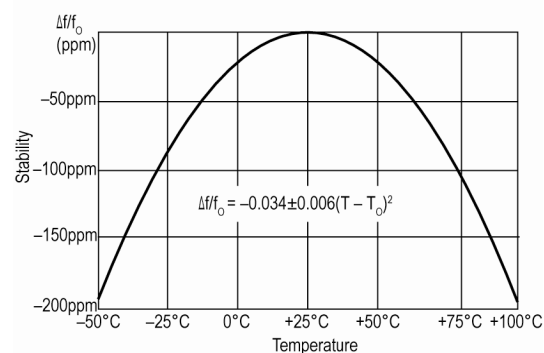
Packaging Details

- Pack Style: 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)



Typical Frequency Stability Characteristic



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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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