

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°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)

Ordering Information

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

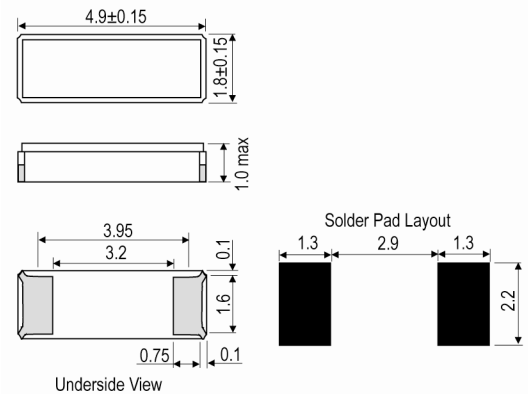
Compliance

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

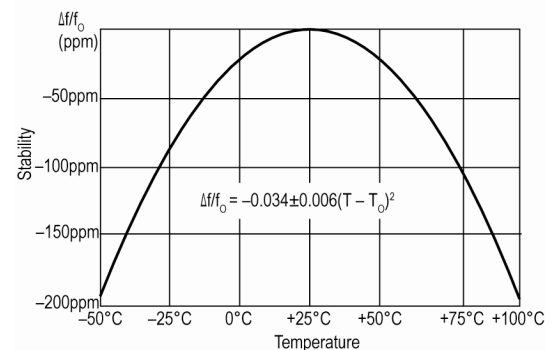
Packaging Details

- Pack Style: 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



Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

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

Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com