

Customer Part:

Description

- Industry standard leaded package
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
- Model HC49/3.5H
- Model Issue number 15

Frequency Parameters

- Frequency 20.0MHz
- Frequency Tolerance $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C $\pm 2^\circ\text{C}$
- Frequency Stability $\pm 30.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C
- Overtone Order Fundamental
- Ageing $\pm 5\text{ppm}$ typical per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 20.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500µW max
- ESR 40.00Ω max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s², 30mins in 3 mutually perpendicular planes

Compliance

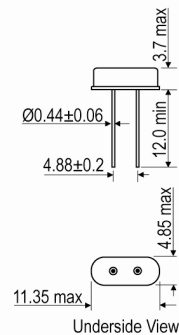
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

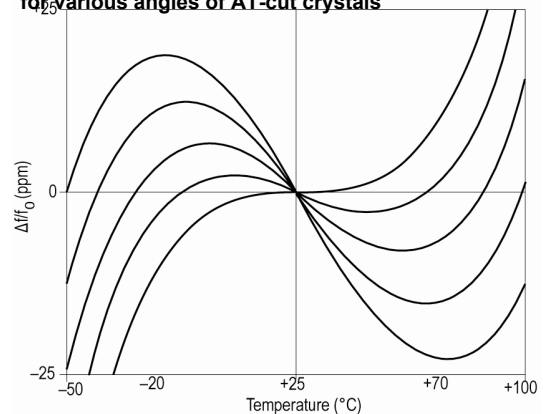
- Pack Style: Bulk Loose in bulk pack
- Pack Size: 100
- *Alternative packing option available*



Outline (mm)



Typical Frequency vs Temperature Curves for various angles of AT-cut crystals



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