

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 16

Frequency Parameters

- Frequency 8.0MHz
- Frequency Tolerance $\pm 20.00\text{ppm}$
- Tolerance Condition @25°C
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing $\pm 5\text{ppm}$ max per year

Electrical Parameters

- Load Capacitance (CL) 18.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 80.00Ω max

Environmental Parameters

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

Compliance

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

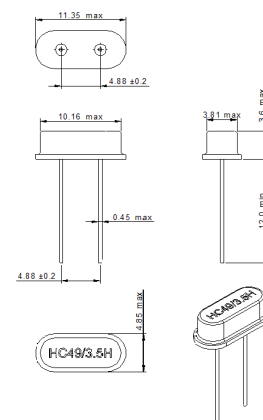
Packaging Details

- Tape & reel in accordance with EIA-481

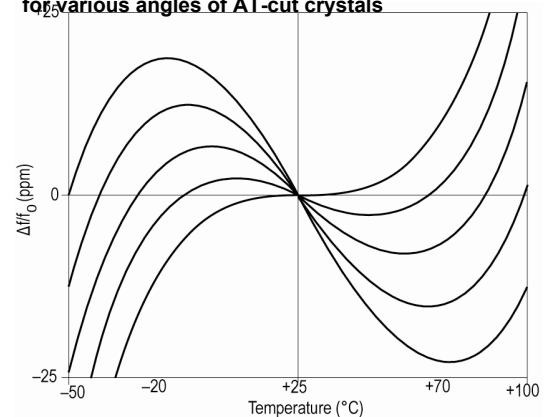
Standard Pack Quantity: 1,000



Outline (mm)



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



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