Quartz Crystal Specification

Part No. + Packaging: ***LFXTAL030798***

Customer Part:

Description

- Industry standard SMD crystal
  Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
  Lead wires are mounted onto a plastic former to create a gull wing mount
- Model HC49/4HSMX
- Model Issue number 17



Frequency Parameters

- Frequency 3.68640MHz
- Frequency Tolerance ±30.00ppm
- Tolerance Condition @25°C ±2°C
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing ±5ppm typ per year @25°C

Electrical Parameters

- Load Capacitance (CL) 16.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500µW max
- ESR 300.00Ω max

Environmental Parameters

- 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.
- Storage Temperature Range: -55 to 125°C
- RoHS Terminations
- RoHS Reflow Temp 260°C max for 10s max

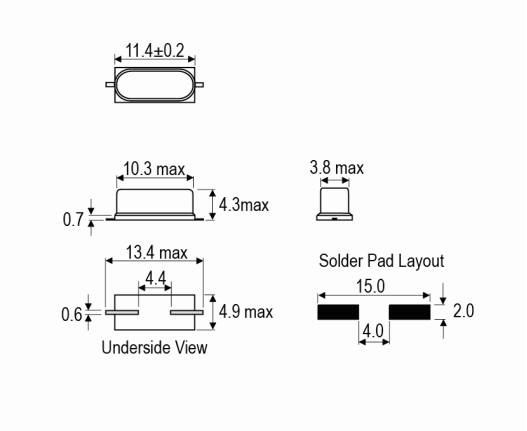
Compliance

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

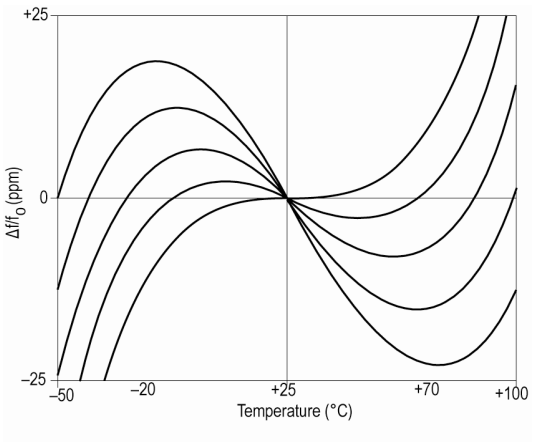
Packaging Details

- Tape & reel in accordance with EIA-481
  Quantities below the standard reel size to be supplied on cut tape.
  Standard Quantity: 1,000 Pieces

Outline (mm)



Typical Frequency vs Temperature Curves



Sales Office Contact Details:

UK: +44 (0)1460 270200

USA: +1.760 668 8935

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com

Unikeyic Electronics

Global Electronic Components Distributor

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IQD Frequency:

LFXTAL009650 LF SPXO018035 LF SPXO025559 LF XTAL003335 LFXTAL035599 LFSPXO018036
LFXTAL009706 LFXTAL059530 LFXTAL059575 LFSPXO071189REEL LFXTAL027945 LFXTAL029914
LFXTAL059532 LFXTAL035266 LFXTAL072604 LF XTAL003127 LFTVXO009907BULK LFXTAL030234
LFXTAL061648 LF XTAL016788 LFSPXO018038 LFXTAL003000 LFXTAL009678 LFXTAL085880
LF XTAL012313 LFSPXO066657 LFXTAL026900 LFXTAL059815 LFXTAL085874 LFXTAL082071