**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: 12.0MHz
- Frequency Tolerance: ±30.00ppm
- Tolerance Condition: @ 25°C ±2°C
- Frequency Stability: ±50.00ppm
- Operating Temperature Range: -10.00 to 60.00°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: 40.00Ω 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

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

**Packaging Details**
- Pack Style: Reel
- Tape & reel in accordance with EIA-481-D
- Pack Size: 1,000
- Alternative packing option available

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Quartz Crystal Specification
Part No. + Packaging: LFXTAL003210Reel

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**Outline (mm)**

**Environmental Parameters**

**Compliance**

**Packaging Details**

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**Typical Frequency vs Temperature Curves**

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