



## Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL003215Bulk

Würth Part No. 830003215B



### Description

- Industry standard leaded package  
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
- Model HC49/4H
- Model Issue number 15

### Frequency Parameters

- Frequency 12.00MHz
- Frequency Tolerance  $\pm 30.00$ ppm
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5$ ppm typical per year at 25°C

### Electrical Parameters

- Load Capacitance (CL) 30.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500 $\mu$ W max
- ESR 40.00 $\Omega$  max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: 981m/s<sup>2</sup>, 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s<sup>2</sup>, 30mins in 3 mutually perpendicular planes

### Manufacturing Details

- RoHS Terminations SnAgCu or Sn
- RoHS Reflow Temp 260degC 10s

### 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
- Alternative packing option available

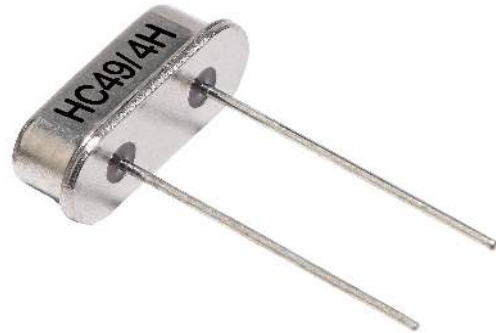
### USEFUL LINKS

#### Toolbox:

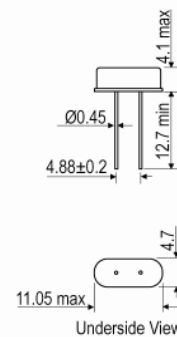
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

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### Outline (mm)



### Typical Frequency vs Temperature Curves



### CONTACT INFORMATION:

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