



## Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL003164Bulk

Würth Part No. 830003164B



### Description

- Industry standard leaded package  
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
- Standard 2 leg HC49 package
- Model HC49
- Model Issue number 15

### Frequency Parameters

- Frequency 10.0MHz
- Frequency Tolerance  $\pm 20.00$ ppm
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range  $-10.00$  to  $60.00^{\circ}\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3$ ppm typical per year

### Electrical Parameters

- Load Capacitance 30.00pF
- Shunt Capacitance 7pF max
- Drive Level 1mW max
- ESR  $35.00\Omega$  max

### Environmental Parameters

- Shock:  $981\text{m/s}^2$ , 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz,  $98.1\text{m/s}^2$ , 30mins in 3 mutually perpendicular planes
- Storage Temperature Range:  $-55$  to  $125^{\circ}\text{C}$

### Manufacturing Details

- RoHS Terminations SnAgCu or Sn
- RoHS Reflow Temp  $260^{\circ}\text{C}$  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:

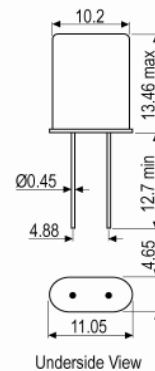
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

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



### Outline (mm)



### CONTACT INFORMATION:

Würth Elektronik eiSos GmbH & Co. KG  
Max-Eyth-Str. 1, 74638 Waldenburg, Germany  
Tel: +49(0) 7942 945-0

Email: [eiSos@we-online.de](mailto:eiSos@we-online.de)  
Web: [www.we-online.com](http://www.we-online.com)