



## Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL059082Reel

Würth Part No. 830059082



### Description

- Standard 7 x 5mm SMD crystal
- 4 pad (metal lid)
  - A ceramic package with a seam sealed metal lid, hermetically sealed. 4 pad device metal lid.
- Model 12SMX-B
- Model Issue number 14

### Frequency Parameters

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

### Electrical Parameters

- Load Capacitance 10.00pF
- Shunt Capacitance 7pF max
- Drive Level 100 $\mu$ W max
- ESR 80.00 $\Omega$  max

### Environmental Parameters

- Storage Temperature Range:  $-40$  to  $125$ °C

### Manufacturing Details

- RoHS Terminations NiAu
- 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: Reel Tape & reel in accordance with EIA-481-D  
Pack Size: 1,000
- Alternative packing option available

### USEFUL LINKS

#### Toolbox:

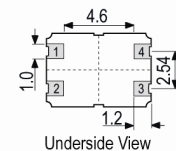
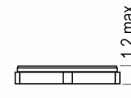
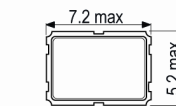
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

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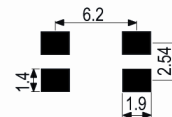
### Outline (mm)



#### Pad connections

1. Crystal
2. GND & Lid
3. Crystal
4. GND & Lid

#### Solder Pad Layout



### CONTACT INFORMATION:

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