



### 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: 13

### Frequency Parameters

- Frequency: 16.0MHz
- Frequency Tolerance:  $\pm 30.00$ 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: 16.00pF
- Shunt Capacitance: 7pF max
- Drive Level: 100µW max
- ESR: 40.00Ω max

### Environmental Parameters

- Storage Temperature Range: -40 to 125°C

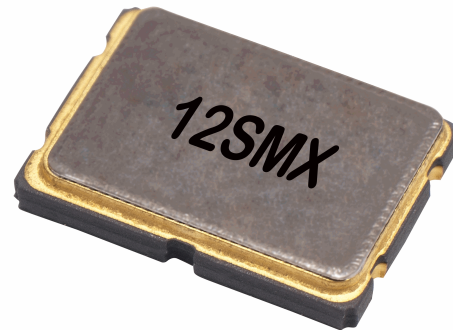
### Compliance

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

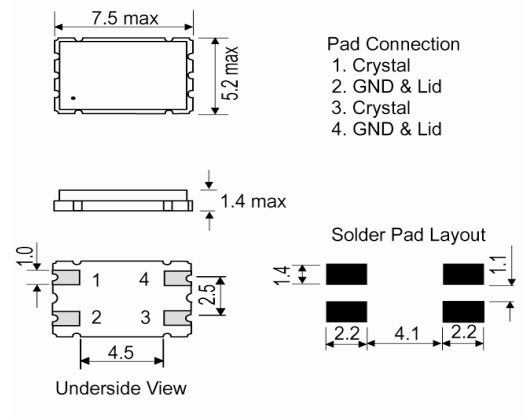
### Packaging Details

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

*This document is correct at the time of printing; please contact your local office for the latest version.*



### Outline (mm)



### Sales Office Contact Details:

UK: +44 (0)1460 270200  
Germany: 0800 1808 443

France: 0800 901 383  
USA: +1 408.273.4530

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)