

**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 12.0MHz
- Frequency Tolerance  $\pm 30.00\text{ppm}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-20.00$  to  $70.00^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  per year max

**Electrical Parameters**

- Load Capacitance 16.00pF
- Shunt Capacitance 7pF max
- Drive Level 100 $\mu\text{W}$  max
- ESR 60.00 $\Omega$  max

**Environmental Parameters**

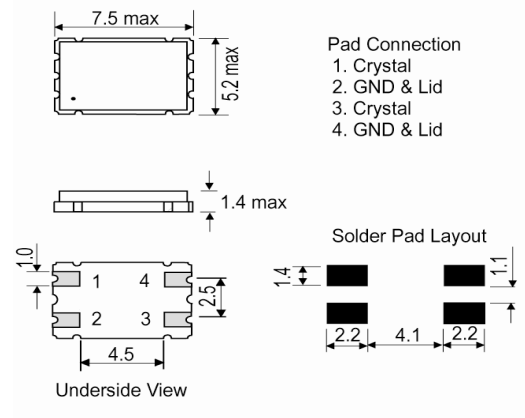
- Storage Temperature Range:  $-40$  to  $125^\circ\text{C}$

**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*


**Outline (mm)**

**Sales Office Contact Details:**

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

France: 0800 901 383  
USA: +1.760.318.2824

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