

#### 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 8.0MHz
- 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 80.00 $\Omega$  max

#### Environmental Parameters

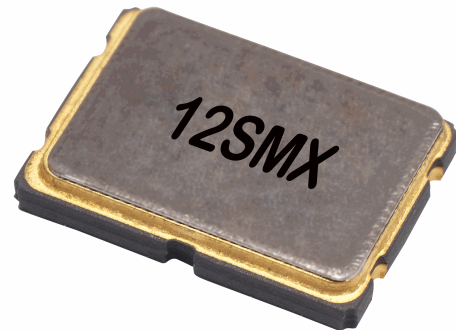
- Storage Temperature Range:  $-40$  to  $125^{\circ}\text{C}$

#### Compliance

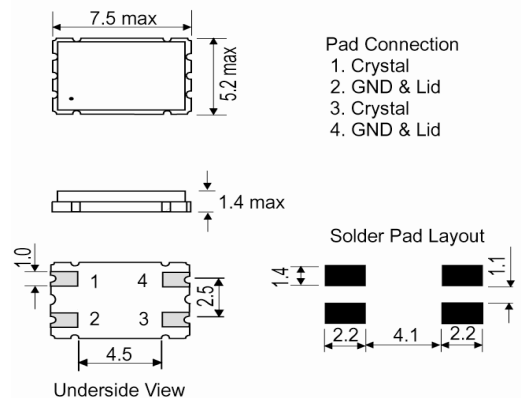
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- *Alternative packing option available*



#### Outline (mm)



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