

**Customer Part:**
**Description**

- Metal can package mounted on an SMD base. Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads.
- Model 87SMX
- Model Issue number 9

**Frequency Parameters**

- Frequency 6.0MHz
- Frequency Tolerance  $\pm 30.00\text{ppm}$
- Tolerance Condition  $@ 25^\circ\text{C} \pm 2^\circ\text{C}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-20.00$  to  $70.00^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm typ per year @ } 25^\circ\text{C}$

**Electrical Parameters**

- Load Capacitance (CL) 30.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level  $50\mu\text{W typ, } 300\mu\text{W max}$
- ESR  $60.00\Omega$  max

**Environmental Parameters**

- Storage Temperature Range:  $-55$  to  $125^\circ\text{C}$
- 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

**Manufacturing Details**

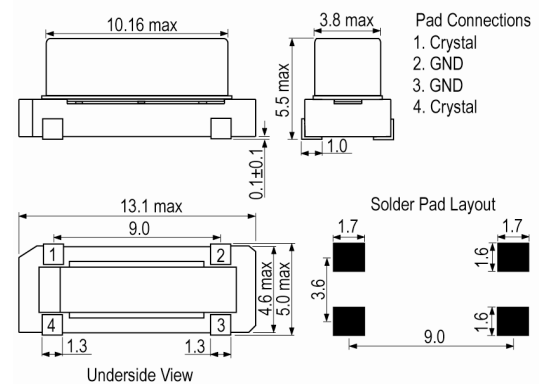
- Please note that this part is NOT suitable for inverted reflow process. Please contact our application support team if this is necessary.
- RoHS Terminations SnAgCu
- RoHS Reflow Temp  $260\text{degC } 10\text{s}$

**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*

**Outline (mm)**

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