

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 11

Frequency Parameters

- Frequency 4.0MHz
- Frequency Tolerance $\pm 50.00\text{ppm}$
- Tolerance Condition $@ 25^\circ\text{C} \pm 2^\circ\text{C}$
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°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 μW typ, 300 μW max
- ESR 130.00 Ω max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s², 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.
- Pins 2 and 3 are connected to each other and isolated from the crystal case.
- RoHS Terminations SnAgCu
- RoHS Reflow Temp 260degC 10s

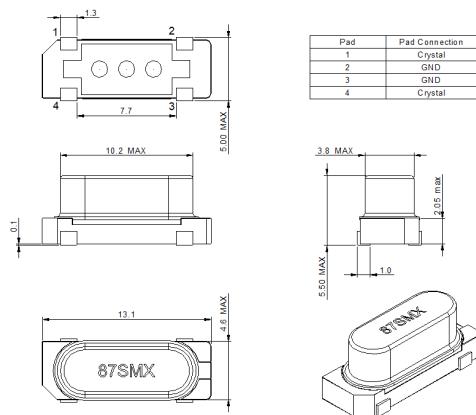
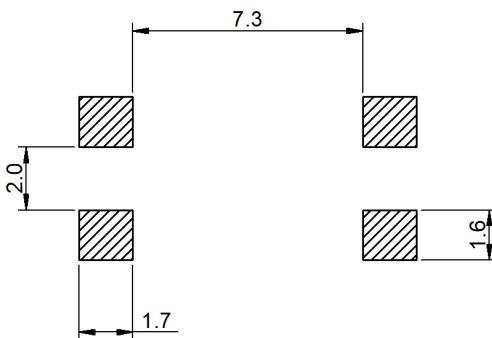
Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape

Standard Pack Quantity: 1,000

**Outline (mm)****Recommended Solder Pad Layout****Sales Office Contact Details:**

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