

Customer Part:

Description

- Industry standard SMD package with 5.5mm lead spacing. Suitable for real time clock applications. Plastic encapsulated.
- Model 85SMX
- Model Issue number 11

Frequency Parameters

- Frequency 32.7680kHz
- Frequency Tolerance ±20.00ppm
- Overtone Order Fundamental
- Ageing ±5ppm max per year @25°C

Electrical Parameters

- Load Capacitance (CL) 12.50pF
- Shunt Capacitance (C0) 1pF typ, 2.5pF max
- Drive Level 1.0µW max
- ESR 50.00kΩ max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 75cm drop (3 times) onto hard wooden board
- Vibration: 1.5mm amplitude, 10Hz-60Hz, 2-3mins in 3 mutually perpendicular planes, duration 2hrs each plane

Manufacturing Details

- Not suitable for use with ultrasonic cleaning techniques
- RoHS Terminations Ag, Sn
- RoHS Reflow Temp 260°C max over 10 seconds

Compliance

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

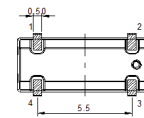
Packaging Details

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

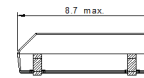
Standard Pack Quantity: 3,000



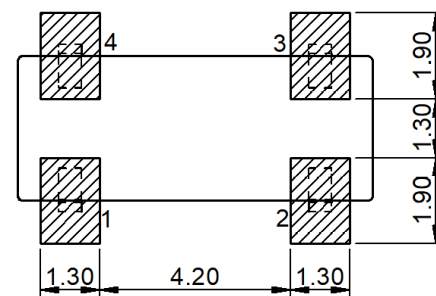
Outline (mm)



Pad No	Pad Connection
1	Crystal
2	GND
3	GND
4	Crystal



Recommended Solder Pad Layout



Sales Office Contact Details:

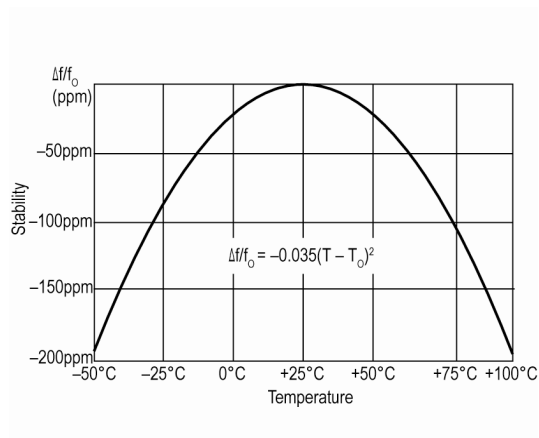
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Customer Part:

Typical Frequency Stability Characteristics



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