

**Description**

- Industry standard SMD package with 5.5mm lead spacing. Suitable for real time clock applications. Plastic encapsulated.
- Model 85SMX
- Model Issue number 10

**Frequency Parameters**

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

**Electrical Parameters**

- Load Capacitance (CL) 12.50pF
- Shunt Capacitance (C0) 1pF typ
- 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 Matte Sn
- RoHS Reflow Temp 260degC 10s

**Compliance**

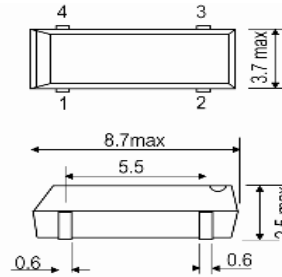
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape.
- Standard Quantity: 3,000 Pieces

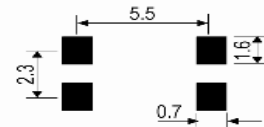


**Outline (mm)**

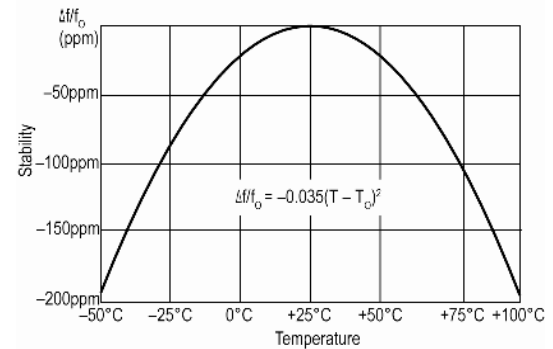


Pad Connection  
 1. Crystal  
 2. N/C  
 3. N/C  
 4. Crystal

**Solder Pad Layout**



**Typical Frequency Stability Characteristics**



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