

**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  $\pm 20.00\text{ppm}$
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  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**

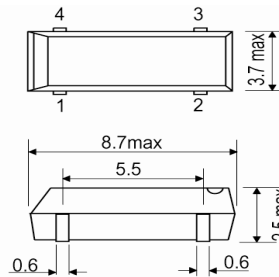
- Not suitable for use with ultrasonic cleaning techniques
- RoHS Terminations Matte Sn
- RoHS Reflow Temp 260degC 10s

**Compliance**

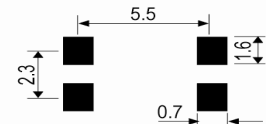
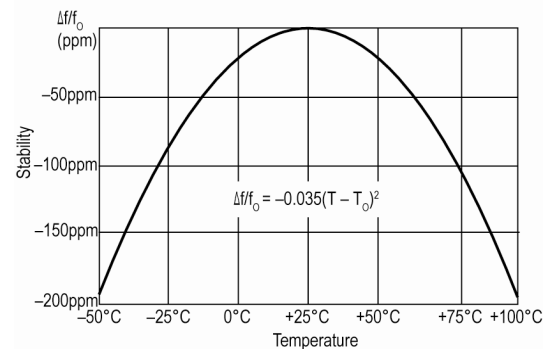
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**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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