



### Description

- Industry standard SMD package with 5.5mm lead spacing  
Suitable for real time clock applications  
Plastic encapsulated

Model 85SMX

Model Issue number 9

### Frequency Parameters

- Frequency 32.7680kHz
- Frequency Tolerance @ 25°C ±20.00ppm
- Operating Temperature Range -40.00 to 85.00 °C
- Overtone Order Fundamental
- Ageing ±5ppm max per year @ 25°C

### Electrical Parameters

- Load Capacitance (CL) 6.00pF
- Shunt Capacitance (C0) 1pF typ
- Drive Level 1.0µW max
- ESR 50kΩ max

### Environmental Parameters

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

### Compliance

- RoHS Status Compliant
- REACH Status Compliant

### Packaging

Pack Type: Reel Tape and reel in accordance with EIA-481-D

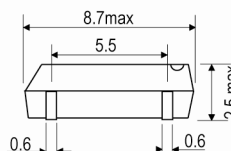
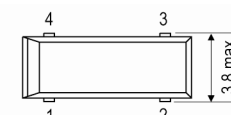
Pack Size 3,000

- Alternative packing option available

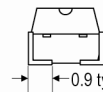
*This document is correct at the time of printing; please contact your local office for the latest version.*



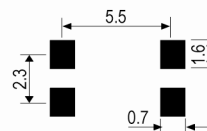
### Outline (mm)



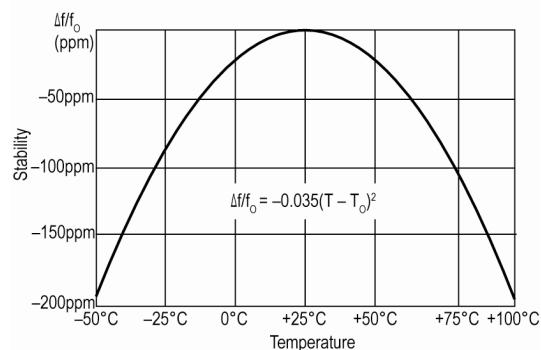
Pad Connection  
 1.Crystal  
 2.N/C  
 3.N/C  
 4.Crystal



Solder Pad Layout



### Typical Frequency Stability Characteristics



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