

### Description

- Industry standard package  
Plastic encapsulated
- Model 90SMX
- Model Issue number 11

### 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) 6.00pF
- Shunt Capacitance (C0) 1pF typ
- Drive Level 1.0 $\mu$ W max
- ESR 50.00k $\Omega$  max

### Environmental Parameters

- Operable Temperature Range: -40 to 85°C
- 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

### Compliance

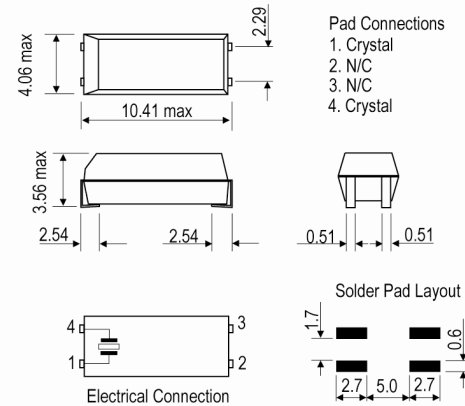
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

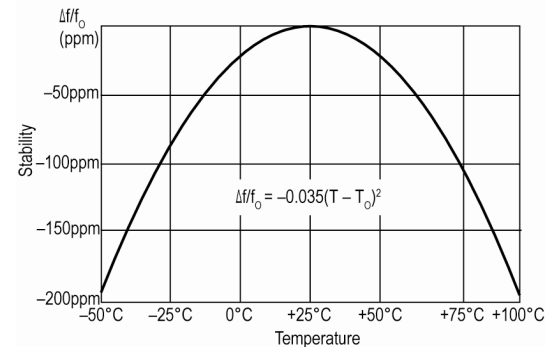
- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- *Alternative packing option available*



### Outline (mm)



### Typical Frequency Stability Characteristics



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