



### Description

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

### 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 (Co): 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
- Operable Temperature Range: -40 to 85°C
- Drop: 75cm drop (3 times) onto hard wooden board

### Compliance

- RoHS Status: Compliant
- REACH Status: Compliant

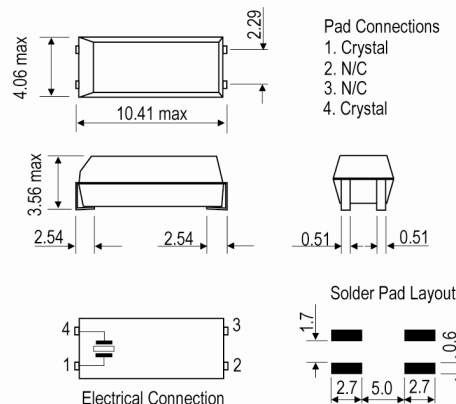
### Packaging

- Pack Type: Reel  
Tape and reel in accordance with EIA-481-D
- Pack Size: 2,000
- Alternative packing option available

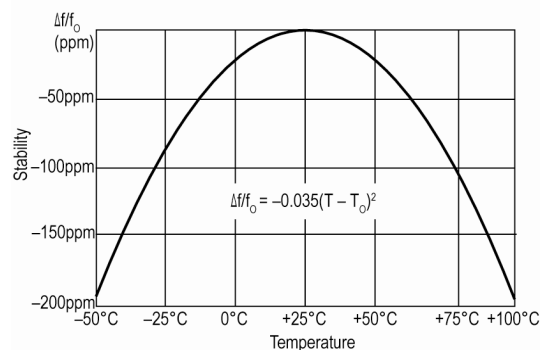
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### Outline (mm)



### Typical Frequency Stability Characteristics



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