FEATURES

- Range of Sizes
- Low Cost
- High Shock Resistance
- Extensive UK Stocks

APPLICATIONS

- Time Keeping
- Datacommunications
- Consumer Electronics
- Automotive Electronics

STANDARD SPECIFICATION

- Frequency Range: 32.768 kHz
- Adjustment Tolerance at 25°C: ±20 PPM
- Frequency Stability: -0.03 PPM°C
- Operating Temperature Range: -10°C to +60°C
- Load Capacity: 12.5 pF
- E.S.R.: 35 kΩ
- Drive level: 1 MicroWatt
- Ageing: 1 PPM 1st Year Typ.

AVAILABLE OPTIONS

- Frequency Range: 20 kHz to 165 kHz & 307.2 kHz
- Adjustment Tolerance: 20 PPM, 50 PPM, 100 PPM
- Load Capacity: 6 pF ~
- Shunt Capacity (C0): 4.0 pF Max

Frequency Stability vs Operating Temperature Range

Tuning fork crystals exhibit a parabolic temperature coefficient with a response curve typically as shown.

Handling Note

Crystals utilising a tuning fork element should not be subjected to ultrasonic cleaning. This is because the blank can be damaged due to the frequency of the ultrasonic bath being in resonance with the crystal itself.

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