

**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) 12.50pF
- 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

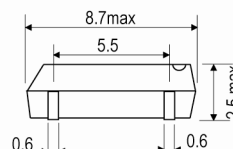
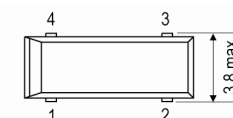
Packaging

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

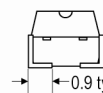
Pack Size 3,000

- Alternative packing option available

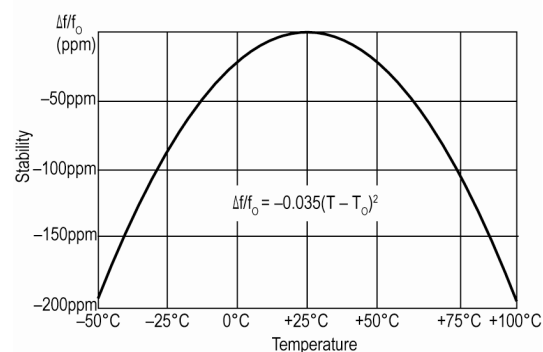
This document is correct at the time of printing; please contact your local office for the latest version.

**Outline (mm)**

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



Solder Pad Layout

Typical Frequency Stability Characteristics**Sales Office Contact Details:**

UK: +44 (0)1460 270200

Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18

USA: +1 (0) 408 455 2426

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com