

85SMX CRYSTALS

ISSUE 9; 4 OCTOBER 2011 - RoHS 2002/95/EC

Description

- Industry standard SMD package with 5.5mm lead spacing
- Suitable for real time clock applications
- Plastic encapsulated
- Stock parts listed at the beginning of this chapter

General Specifications

- Load Capacitance (CL): 6pF and 12.5pF
- Drive Level: 1.0µW max
- Ageing: ±5ppm max per year at 25°C
- Shunt Capacitance (C0): 1pF typ

Standard Frequency Tolerance

- ±20ppm

Operable Temperature Range

- 40 to 85°C

Storage Temperature Range

- 55 to 125°C

Environmental

- 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

Packaging

- Loose in bulk pack, 100pcs per bag
- Tape and reel in accordance with EIA-481-D, 3kpcs per reel (please see Application Notes)

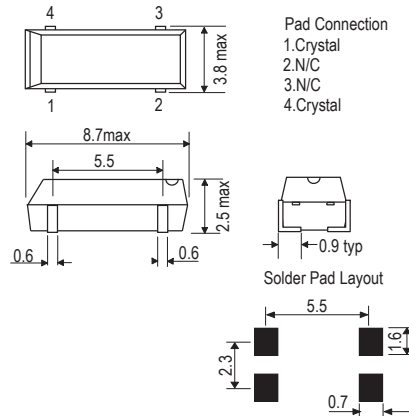
Ordering Information (*minimum required)

- Frequency*
- Model*
- Frequency Tolerance (@25°C)*
- Load Capacitance*

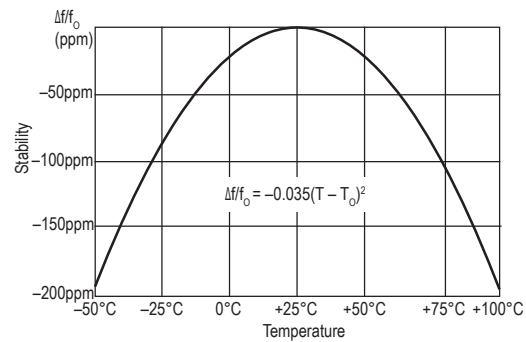
Example

- 32.768kHz 85SMX
20/-/12.5

Outline (mm)



Typical Frequency Stability Characteristic



Electrical Specifications – maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C ±5°C	Operable Temperature Range	Typical Frequency Stability Coefficient	ESR Max	Vibration Mode
32.7680kHz	±20ppm	-40 to 85°C	-0.035/°C ²	50kΩ	Tuning Fork