

### Description

- Industry standard SMD package with 5.5mm lead spacing. Suitable for real time clock applications. Plastic encapsulated.
- Model 85SMX
- 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) 12.50pF
- Shunt Capacitance (C0) 1pF typ, 2.5pF max
- Drive Level 1.0 $\mu$ W max
- ESR 50.00k $\Omega$  max

### Environmental Parameters

- 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

### Manufacturing Details

- Not suitable for use with ultrasonic cleaning techniques
- RoHS Terminations Ag, Sn
- RoHS Reflow Temp 260°C max over 10 seconds

### Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

- Tape & reel in accordance with EIA-481. Quantities below the standard reel size to be supplied on cut tape. Standard Quantity: 3,000 Pieces

## USEFUL LINKS

#### Toolbox:

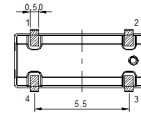
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

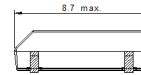
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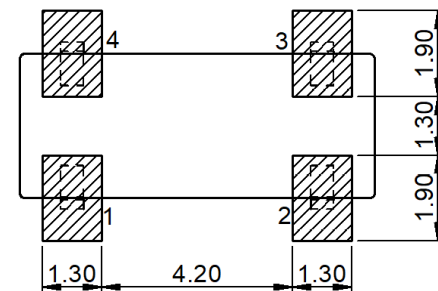
### Outline (mm)



Pad No.	Pad Connection
1	Crystal
2	GND
3	GND
4	Crystal



### Recommended Solder Pad Layout

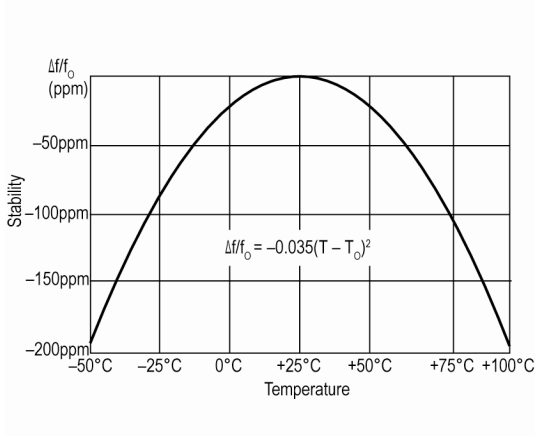


### CONTACT INFORMATION:

Würth Elektronik eiSos GmbH & Co. KG  
Max-Eyth-Str. 1, 74638 Waldenburg, Germany  
Tel: +49(0) 7942 945-0

Email: [eiSos@we-online.de](mailto:eiSos@we-online.de)  
Web: [www.we-online.com](http://www.we-online.com)

### Typical Frequency Stability Characteristics



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