

#### Description

- Industry standard SMD crystal  
Plastic encapsulated  
Low profile version also available please contact our sales offices for details
- Model 86SMX
- Model Issue number 10

#### Frequency Parameters

- Frequency 8.0MHz
- Frequency Tolerance  $\pm 50.00\text{ppm}$
- Frequency Stability  $\pm 100.00\text{ppm}$
- Operating Temperature Range  $-20.00$  to  $70.00^{\circ}\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  max per year at  $25^{\circ}\text{C}$

#### Electrical Parameters

- Load Capacitance (CL) 16.00pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100 $\mu\text{W}$  max
- ESR 80.00 $\Omega$  max

#### Environmental Parameters

- Storage Temperature Range:  $-40$  to  $90^{\circ}\text{C}$
- Drop: 75cm drop (3 times) onto hard wooden board
- Vibration: 1.5mm amplitude, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane

#### Compliance

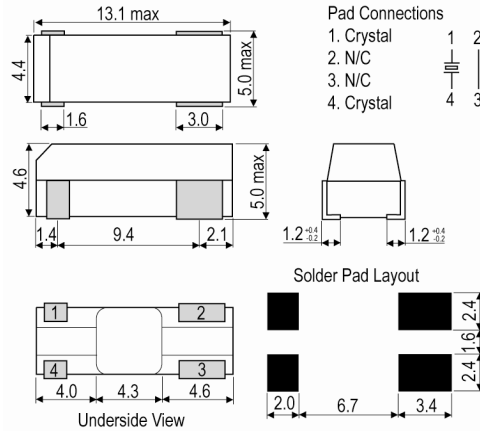
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- *Alternative packing option available*



#### Outline (mm)



#### Sales Office Contact Details:

UK: +44 (0)1460 270200  
Germany: 0800 1808 443

France: 0800 901 383  
USA: +1.760.318.2824

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)