

## Customer Part:

### Description

- 2 x 1.6mm SMD crystal  
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model IQXC-42
- Model Issue number 1

### Frequency Parameters

- Frequency 30.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$
- Frequency Stability  $\pm 15.00\text{ppm}$
- Operating Temperature Range  $-40.00$  to  $85.00^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  max per year @ $25^\circ\text{C}$

### Electrical Parameters

- Load Capacitance (CL) 8.00pF
- Shunt Capacitance (C0) 3pF max
- Drive Level 100 $\mu\text{W}$  max
- ESR 80.00 $\Omega$  max

### Environmental Parameters

- Shock: IEC 60068-2-27: 1000G, 1ms, 3 times in each of 3 mutually perpendicular planes.
- Vibration: IEC 60068-2-6: 1.5mm amplitude, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane (total 6hrs).
- Storage Temperature Range:  $-55$  to  $125^\circ\text{C}$

### Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

### Compliance

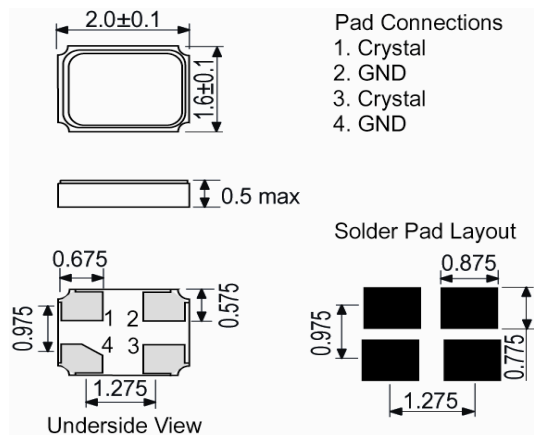
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### 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



### Outline (mm)



### Sales Office Contact Details:

UK: +44 (0)1460 270200

USA: +1.760 668 8935

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)