

## Customer Part:

### Description

- 5 x 3.2mm SMD crystal with 2 pads in a hermetically sealed ceramic package with a metal lid.
- Model IQXC-49
- Model Issue number 2

### Frequency Parameters

- Frequency 8.0MHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 30.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  max per year @ 25°C

### Electrical Parameters

- Load Capacitance (CL) 18.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 50µW typ, 200µW max
- ESR 150.00Ω max

### Environmental Parameters

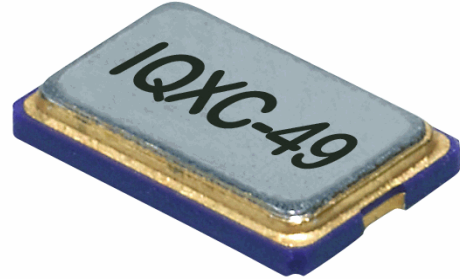
- Storage Temperature Range: -40 to 85°C
- Shock: 1/2 sine pulse with peak acceleration 2000G, pulse duration 0.3ms
- Vibration: Frequency 10-55Hz, amplitude 0.7 to 0.9mm pk-pk, sweep 1min, duration 2hrs in each of 3 mutually perpendicular planes

### Compliance

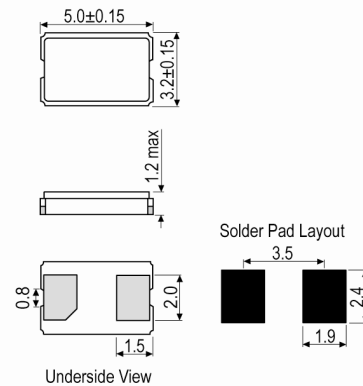
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

- Pack Style: Cutt Cut tape
- Pack Size: 100
- *Alternative packing option available*



### Outline (mm)



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