

Customer Part:

Description

- 2.5 x 2mm SMD crystal in a hermetically sealed ceramic package with a seam sealed metal lid.
- Model CFPX-218
- Model Issue number 5

Frequency Parameters

- Frequency 32.0MHz
- Frequency Tolerance $\pm 10.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability $\pm 20.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing $\pm 3\text{ppm}$ max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 3pF max
- Drive Level 100µW max
- ESR ***See Technical Notes***

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock Test (MIL-STD-202 Method 213): Half Sine shock pulse with peak acceleration 500g. Pulse duration: 0.3ms.
- Vibration (MIL-STD-202 Method 204): Frequency: 10 - 55 Hz. Amplitude: 0.7 - 0.9 mm pk-pk. Sweep: 1 minute. Duration: 2 hours in each of 3 mutually perpendicular direction.

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

Compliance

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

Packaging Details

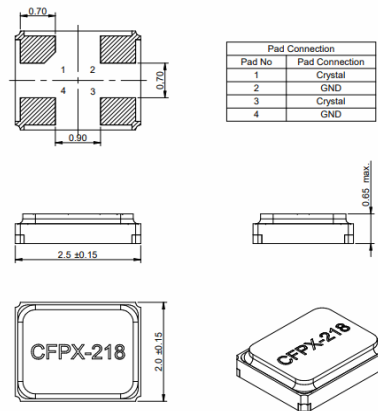
- Tape & reel in accordance with EIA-481
Quantities below the standard reel size to be supplied on cut tape.
- Standard Pack Quantity: 3,000

Technical Notes

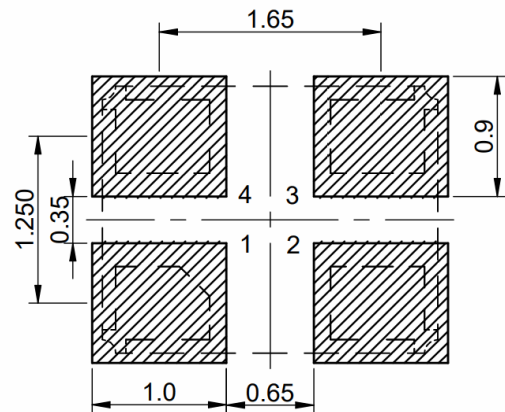
- ESR 50 Ohms max



Outline (mm)



Recommended Solder Pad Layout



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