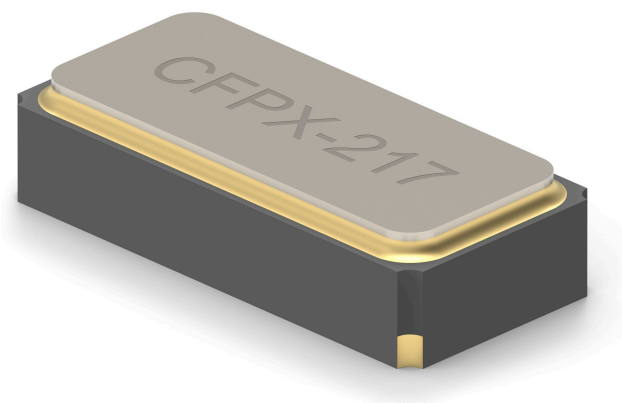
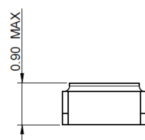
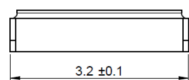
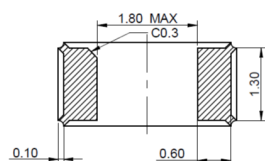


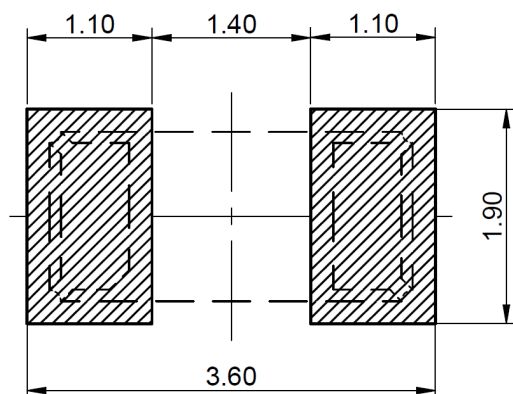
General Information

3.2 x 1.5 mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.

Dimensions [mm]



Recommended Land Pattern [mm]



Part Number: 830009678 | CFPX-217

AKA Number: LFX TAL009678

Frequency Parameters

Frequency	32.7680 kHz
Frequency Tolerance	± 20 ppm max @ 25 °C
Operating Temperature	-40 °C to 85 °C
Overtone Order	Fundamental
Ageing	± 3 ppm max first year 25 °C ± 3 °C

Material Parameters

Termination Finish	Ni Au
Moisture Sensitivity Level (MSL)	Not Applicable

Manufacturing Details

Reflow: 260 °C max for 10 seconds max.

Maximum 2 times reflow.

Electrical Parameters

Load Capacitance C_L	12.5 pF
Shunt Capacitance C_0	1 pF typ.
Drive Level	1 µW max.
ESR	70000 Ω max.

Environmental Parameters

Storage Temperature Range: -55 °C to 125 °C

- Drop: 100 g dummy, 150 cm drop (3 directions x 10 times) onto concrete.
- Vibration: 1.5 mm amplitude, 10 Hz ~ 60 Hz with cycle time of 2 ~ 3 minutes in 3 directions (X, Y and Z axis) each for 2 hours.

Technical Standards

RoHS Status	2015/863/EU - Compliant
REACH Status	Compliant

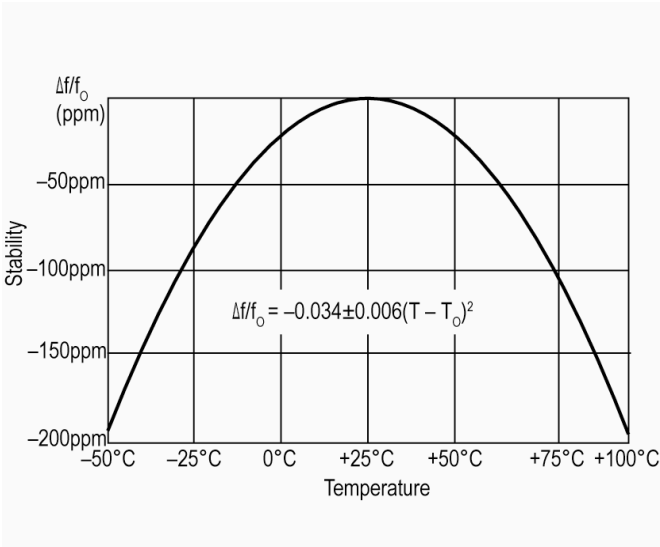
Packaging Details

Packaging SPQ Tape & Reel 3000 pcs

Tape & reel in accordance with EIA-481

Quantities below the standard reel size to be supplied on cut tape.

Stability vs. Temperature



Company Address

IQD Frequency Products Ltd.

Station Road

Crewkerne

Somerset

TA18 8AR, United Kingdom