

CFPX-104

ISSUE 6; 11 SEPT 2008

RoHS
2002/95/EC

Delivery Options

- Please contact our sales office for current leadtimes

Holder Style

- CFPX-104 surface mount crystals are encapsulated in a hermetically sealed ceramic package with a seam sealed metal lid.

General Specifications

- Load Capacitance (C_L): 10pF to 30pF or Series
- Drive Level: 0.1mW max
- Static Capacitance (C_0): 7pF max
- Ageing: ± 5 ppm max per year at 25°C

Packaging

- CFPX-104 surface mount crystals are available packaged individually or on tape and reel

Standard Frequency Tolerances and Stabilities

- ± 10 ppm to ± 50 ppm

Operating Temperature Range

- -10 to 60°C

Storage Temperature Range

- -30 to 85°C

Environmental Tests

- Shock Test: Unit dropped from height of 75cm onto hard wooden plate, three times.
- Vibration: MIL-STD-202F, Method 204D, Test condition D 20G (frequency range 10-2000Hz, 4 hours in each X, Y & Z axis. Total 12 hours)

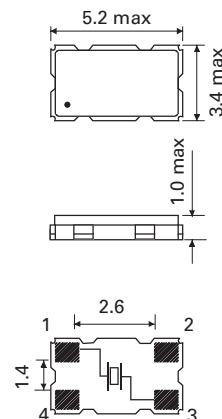
Marking includes

- Frequency

Minimum Order Information Required

- Frequency + Holder + Frequency Tolerance @ 25°C
+ Frequency Stability + Operating Temperature Range
+ Circuit Condition

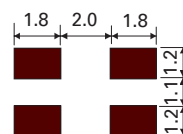
Outline in mm



Pad Connections

1. Crystal
2. GND & Lid
3. Crystal
4. GND & Lid

Solder pad layout





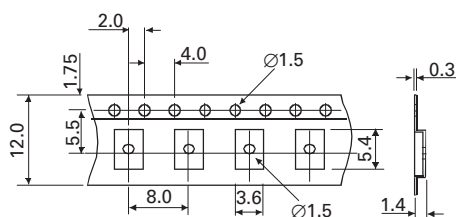
Electrical Specification – maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C ±2°C	Operating Temperature Range	Frequency Stability Available Over Operating Temperature		ESR max.	Vibration Mode
			Minimum	Maximum		
12.0 to <16.0MHz	±10ppm to ±50ppm	-10 to 60°C	±10ppm	±50ppm	70Ω	Fundamental At cut
16.0 to 67.0MHz					50Ω	

SURFACE MOUNT
QUARTZ CRYSTALS

Note. For any other frequencies / specifications, please contact our sales office.

Outline in mm - Tape



Outline in mm - Reel

