

ISSUE 3; 10 AUG 2008

Delivery Options

RoHS 2002/95/EC

Please contact our sales office for current leadtimes

Holder Style

 CFPX-181 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: 10μW typical, 100μW max
- Ageing: ±1ppm max per year at 25°C

Packaging

 CFPX-181 surface mount crystals are available packaged individually or on tape and reel

Standard Frequency Tolerance and Stability

■ ±10ppm to ±100ppm

Operating Temperature Range

■ -10 to 60°C

Storage Temperature Range

■ -40 to 90°C

Environmental

- Drop: naturally dropped 3 times from a height of 75cm onto a hardwood surface
- Vibration: frequency 10-55Hz, 1.5mm amplitude, 1min period, X, Y & Z axes, 2hrs in each drection

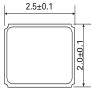
Marking includes

Frequency

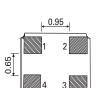
Minimum Order Information Required

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

Outline in mm

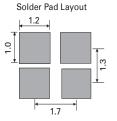








Pads 1 & 3 Crystal Pads 2 & 4 GND (lid)





Electrical Specification - maximum limiting values

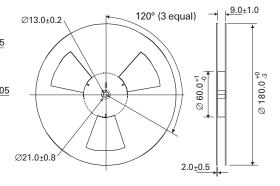
Frequency Range	Frequency Tolerance @ 25°C ±2°C	Operating Temperature Range	Operating Temperature		ESR max.	Vibration Mode
			Minimum	Maximum		
16.0 to <19.0MHz					150Ω	
19.0 to <40.0MHz	±10ppm to ±50ppm	-10 to 60°C	±10ppm	±100ppm	100Ω	Fundamental AT cut
40.0 to 50.0MHz					70Ω	

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

Outline in mm - Tape

4.0±0.1 Ø1.5±0.1 Ø1.5±0.1 Ø1.5±0.05 Ø1.5±0.05 Ø1.5±0.05

Outline in mm - Reel



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