

6SMX Crystals

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Delivery Options

- Please contact our sales office for current leadtimes

Holder Style

- 6SMX surface mount crystals are housed in a hermetically resin sealed ceramic package
- A pad to pad replacement for the 5SMX & 32SMX crystals

General Specifications

- Load Capacitance (C_L) 16pF to 32pF or Series
- Drive Level: 0.1mW max
- Static Capacitance (C_0): 7pF max

Packaging

- 6SMX surface mount crystals are available packaged individually or on tape and reel

Standard Frequency Tolerance and Stability

- ± 50 ppm

Operating Temperature Ranges

- -10 to 60°C

Storage Temperature Range

- -30 to 85°C

Environmental

- Shock: MIL-STD-202F, Method 213B (1000G, 0.5ms 1/2 sine wave)
- Vibration: MIL-STD-202F, Method 204D, Test Condition D 20G (freq range 10-2000Hz, 4 hrs in X, Y & Z axes, total 12 hrs)

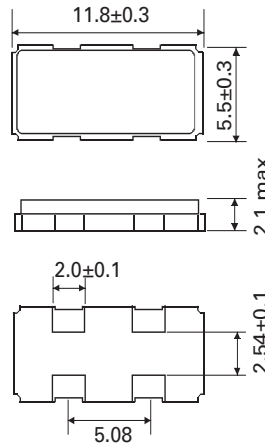
Marking includes

- Frequency

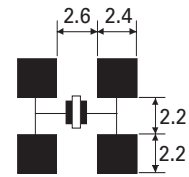
Minimum Order Information Required

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

Outline in mm



Solder pad layout



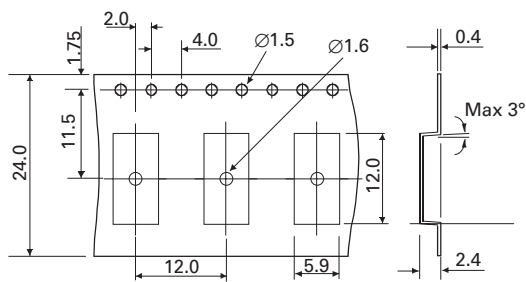


Electrical Specification – maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C ±°C	Operating Temperature Range	Frequency Stability	ESR max.	Vibration Mode
3.2 to <3.5MHz	±50ppm	-10 to 60°C	±50ppm	200Ω	Fundamental
3.5 to <4.0MHz				140Ω	
4.0 to <4.4MHz				120Ω	
4.4 to <4.9MHz				100Ω	
4.9 to <6.0MHz				80Ω	
6.0 to <7.0MHz				60Ω	
7.0 to <8.0MHz				50Ω	
8.0 to <11.0MHz				45Ω	
11.0 to <12.0MHz				40Ω	
12.0 to <15.0MHz				35Ω	
15.0 to <27.0MHz				30Ω	
27.0 to <70.0MHz				100Ω	

SURFACE MOUNT QUARTZ CRYSTALS

Outline in mm - Tape



Outline in mm - Reel

