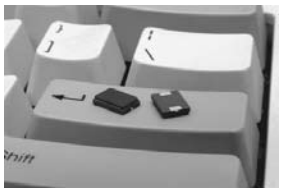
PMX Surface Mount Crystals
5.0 x 7.0 x 1.2 mm



RoHS Compliant

Ordering Information

PMX 1 J J XX 00.000 MHz

Product Series

Temperature Range
- **1:** 0°C to +70°C
- **2:** -40°C to +85°C
- **3:** -10°C to 60°C
- **6:** -20°C to +70°C

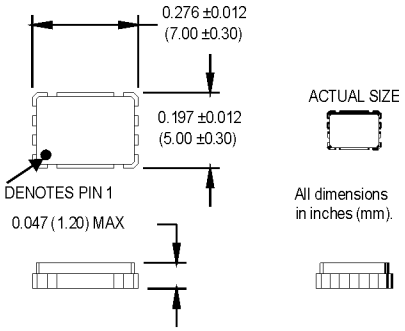
Tolerance
- **G:** ±20 ppm*
- **J:** ±30 ppm
- **M:** ±50 ppm
- **P:** ±100 ppm

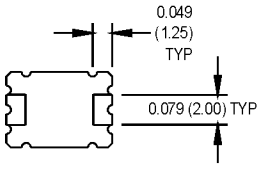
Stability
- **G:** ±20 ppm
- **J:** ±30 ppm
- **M:** ±50 ppm
- **P:** ±100 ppm

Load Capacitance
- **Blank:** 18 pF (std)
- **S:** Series Resonant
- **XX:** Customer Specified 10 pF to 32 pF

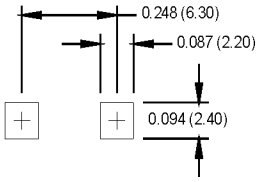
Frequency (Customer Specified)

*±20 ppm stability available over -10°C to +60°C operating temperature only





SUGGESTED SOLDER PAD LAYOUT



Electrical Specifications

PARAMETERS	VALUE
Frequency Range*	9.800 to 100.000 MHz
Tolerance @ +25°C	See Table Above
Stability	See Table Above
Aging	±5 ppm/yr. Max.
Shunt Capacitance	7 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	0°C to +70°C
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
9.800 to 12.000 MHz	80 Ω
12.000 to 40.000 Mhz	50 Ω
Third Overtones (AT-cut)	
40.000 to 100.000 MHz	80 Ω
Drive Level	100 µW Max.
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Solder Conditions[1]	240°C for 10 seconds max.
Thermal Cycle	MIL-STD-883, Method 1010, B

* Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

[1] See soldering conditions, Figure "2".

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.