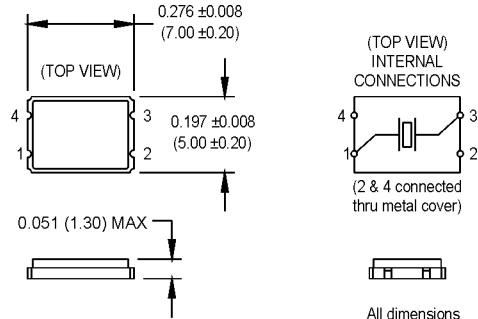
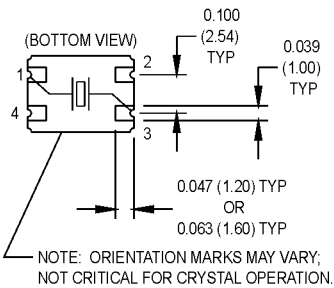


PM Surface Mount Crystals

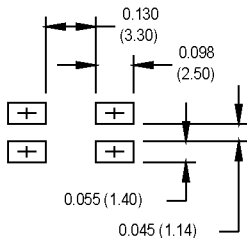
5.0 x 7.0 x 1.3 mm



All dimensions in inches (mm).



SUGGESTED SOLDER PAD LAYOUT

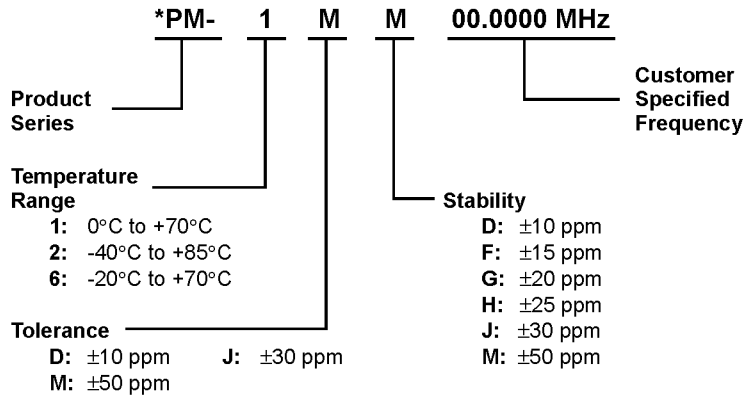


Available Stabilities vs. Temperature

T \ S	D	F	G	H	J	M
1	A	A	A	A	A	S
2	N	A	A	A	A	A

A = Available S = Standard
N = Not Available

Ordering Information



*Prefix "SR" should be used for series resonant; i.e., SRPM-1MM 20.0000 MHz

Electrical/Environmental Specifications

PARAMETERS	VALUE
Frequency Range*	9.500 to 150.000 MHz
Tolerance @ +25°C	See Table Above
Stability	See Table Above
Aging	±5 ppm/yr. Max.
Shunt Capacitance	5 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	See Table Above
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
9.500 to 10.999 MHz	60 Ω
11.000 to 13.999 MHz	50 Ω
14.000 to 15.999 MHz	40 Ω
16.000 to 40.500 MHz	30 Ω
Third Overtones (AT-cut)	
35.000 to 39.999 MHz	100 Ω
40.000 to 49.999 MHz	80 Ω
50.000 to 90.000 MHz	50 Ω
Fifth Overtones (AT-cut)	
90.000 to 150.000 MHz	100 Ω
Drive Level	100 μW Max.
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Solder Conditions	See "Figure 2" on page 147
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.

M-tron 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. No rights under any patent accompany the sale of such product.

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