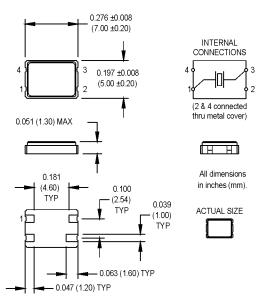
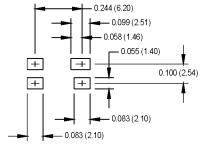
PM Surface Mount Crystals 5.0 X 7.0 X 1.3 mm







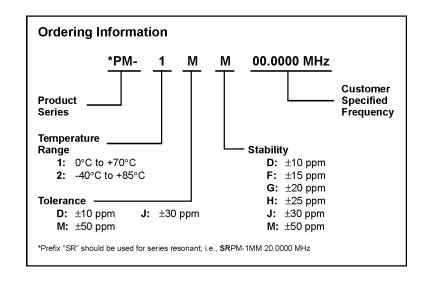
SUGGESTED SOLDER PAD LAYOUT



Available Stabilities vs. Temperature

T	D	F	G	I	7	M
1	Α	Α	Α	Α	Α	S
2	Ν	Α	Α	Α	Α	Α

A = AvailableN = Not Available S = Standard



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 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.

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.

¹ See page 112, Figure "2".