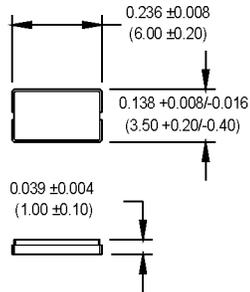
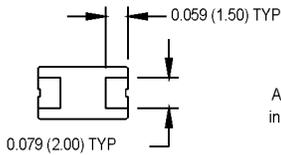


# PR Surface Mount Crystals

## 3.5 x 6.0 x 1.0 mm

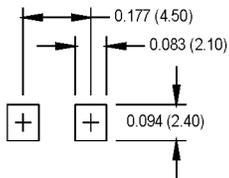


ACTUAL SIZE

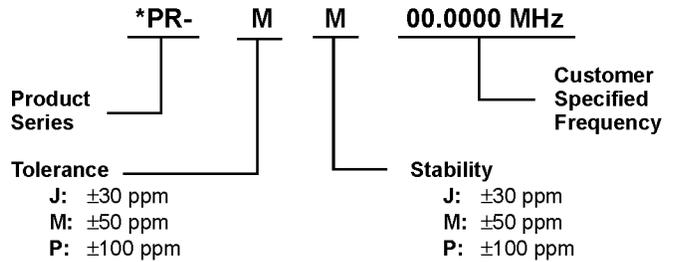


All dimensions  
in inches (mm).

SUGGESTED SOLDER PAD LAYOUT



### Ordering Information



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

### Electrical/Environmental Specifications

PARAMETERS	VALUE
Frequency Range*	12.000 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	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
12.000 to 40.000 MHz	60 Ω
Third Overtones (AT-cut)	
40.000 to 100.000 MHz	60 Ω
Drive Level	100 μW Max.
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Solder Conditions <sup>1</sup>	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.

<sup>1</sup> See page 91, Figure "2".

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.

M-tron Industries, Inc., PO Box 630, Yankton, SD 57078-0630, USA Phone: 605-665-9321 or 1-800-762-8800 Fax: 605-665-1709 Website: www.mtron.com  
M-tron Industries Limited, 1104 Shanghai Industrial Investment Building, 48-62 Hennessy Road, Wanchai, Hong Kong, China Phone: 852-2866-8023 Fax: 852-2529-1822