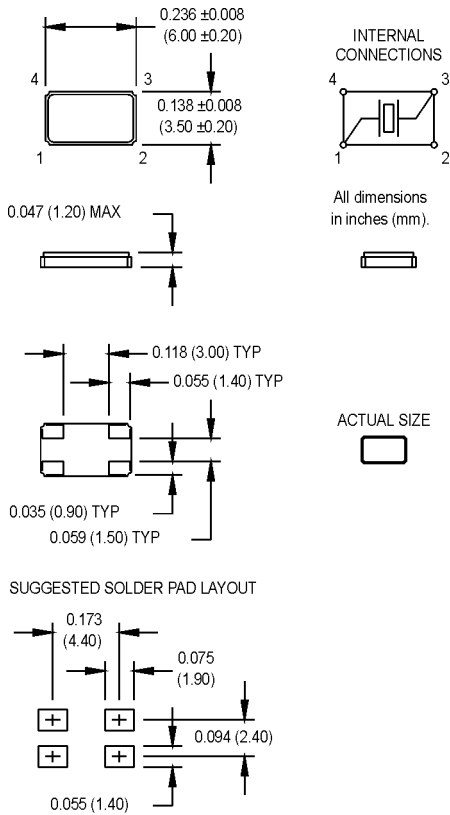
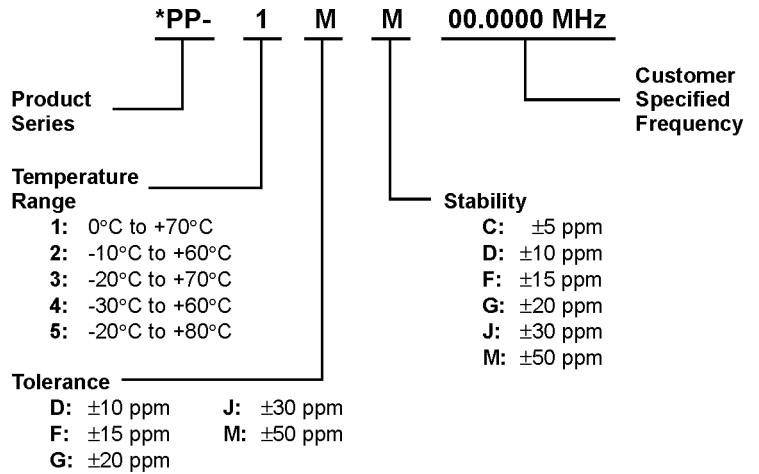


PP Surface Mount Crystals

3.5 x 6.0 x 1.2 mm



Ordering Information



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

Electrical/Environmental Specifications

PARAMETERS	VALUE
Frequency Range*	10.000 to 200.000 MHz
Tolerance @ +25°C	See Table Above
Stability	See Table Above
Aging	±2 ppm/yr. Max.
Shunt Capacitance	5 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	See Table Above
Storage Temperature	-40°C to +85°C
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
10.000 to 45.000 MHz	30 Ω Max.
Third Overtones (AT-cut)	
40.000 to 150.000 MHz	50 Ω Max.
Fifth Overtones (AT-cut)	
100.000 to 200.000 MHz	90 Ω Max.
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.

Available Stabilities vs. Temperature

T \ S	C	D	F	G	J	M
1	N	A	A	A	A	A
2	A	A	A	A	A	A
3	N	A	A	A	A	A
4	N	N	N	N	A	A
5	N	N	N	N	A	A

A = Available
N = Not Available

X
T
A
L
S

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