

PM Surface Mount Crystals

5.0 X 7.0 X 1.3 mm



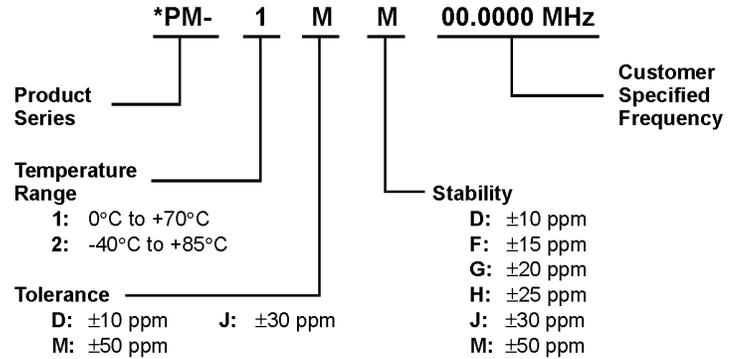
Features:

- Ultra-miniature Size
- Wide Frequency Range
- Tight Stability Over Extended Temperature
- Rugged Ceramic Package

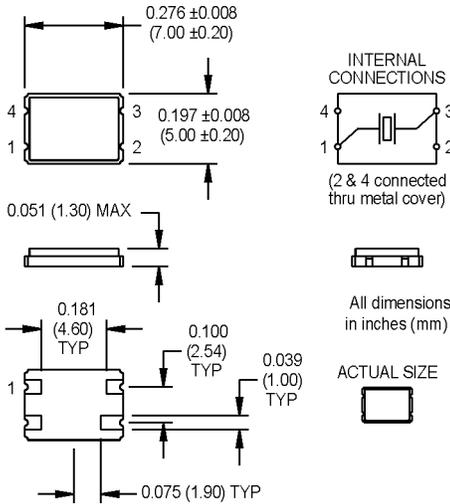
Applications:

- Notebook Computers
- PCMCIA Cards
- Pocket LAN Adapters
- Disk Drives
- Telecommunications Equipment

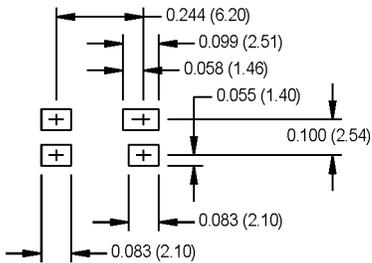
Ordering Information



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



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

Electrical 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.

* 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. See page 136, Figure "2" for suggested solder profile.

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