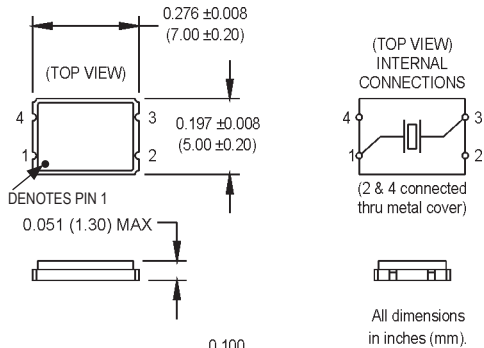
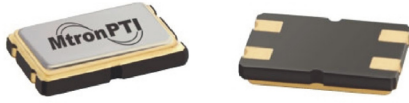


PM Surface Mount Crystals

5.0 x 7.0 x 1.3 mm



Ordering Information

Product Series	PM	1	M	M	XX	00.0000 MHz
Temperature Range	1: 0°C to +70°C		2: -40°C to +85°C		3: -55°C to +105°C	
	4: -55°C to +125°C		5: -10°C to +85°C		6: -20°C to +70°C	
Tolerance	D: ±10 ppm	F: ±15 ppm	G: ±20 ppm	H: ±25 ppm	J: ±30 ppm	M: ±50 ppm
Stability	D: ±10 ppm	F: ±15 ppm	G: ±20 ppm	H: ±25 ppm	J: ±30 ppm	M: ±50 ppm
	P: ±100 ppm					
Load Capacitance	Blank: 18 pF (std)					
	S: Series Resonant					
	XX: Customer Specified 10 pF to 32 pF					
Frequency (customer specified)	00.0000 MHz					

M1007Sxxx - Contact factory for datasheet.

PARAMETERS	VALUE
Frequency Range*	8.000 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	See ordering information
Standard Operating Conditions	See Table Above
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
8.0000 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	100 Ω
Fifth Overtones (AT-cut)	
90.000 to 150.000 MHz	100 Ω
Drive Level	100 μW Max., 50 μW Typ., 10 μW Min.
Mechanical Shock	MIL-STD-202, Method 213, C
Vibration	MIL-STD-202, Method 201 & 204
Thermal Cycle	MIL-STD, Method 1010, B
Max Soldering Conditions	See solder profile, Figure 1

* 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	D	F	G	H	J	M	P
1	A	A	A	A	A	S	A
2	N	A	A	A	A	A	A
3	N	N	N	N	N	A	A
4	N	N	N	N	N	A	A
5	N	A	A	A	A	A	A
6	N	A	A	A	A	A	A

A = Available S = Standard
N = Not Available

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MtronPTI Lead Free Solder Profile

