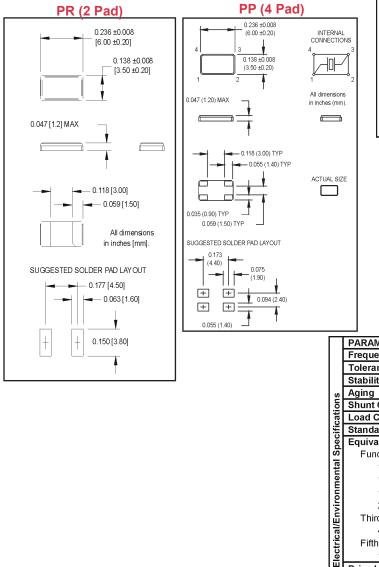
## PP & PR Surface Mount Crystals 3.5 x 6.0 x 1.2 mm

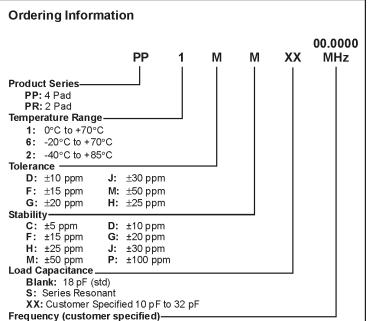






- Miniature low profile package (2 & 4 Pad)
- RoHS Compliant
- Wide frequency range
- PCMCIA high density PCB assemblies





M1003Sxxx & M1005Sxxx - Contact factory for datasheet.

## Available Stabilities vs. Temperature

TS	С	D	F	G	J	м
1	Ν	А	А	А	А	A
2	А	A	А	А	А	А
6	N	N	N	A	A	A

A = Available

N = Not Available

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	PARAMETERS	VALUE			
	Frequency Range*	10.000 to 180.000 MHz			
	Tolerance @ +25°C	See ordering information			
	Stability	See ordering information			
n	Aging	±2 ppm/yr Max			
auous	Shunt Capacitance	5 pF Max.			
ğ	Load Capacitance	See ordering information			
Į	Standard Operating Conditions	See ordering information			
apecii	Equivalent Series Resistance (ESR), Max.				
	Fundamental (AT-cut)				
2	10.0000 to 12.999 MHz	<b>80</b> Ω Max.			
בופרת ורמו/ בוועון טוווופוונמו	13.000 to 13.999 MHz	<b>50</b> Ω Max.			
	14.000 to 19.999 MHz	<b>40</b> Ω Max.			
	20.000 to 45.000 MHz	<b>30</b> Ω Max.			
	Third Overtones (AT-cut)				
Ì	40.000 to 150.000 MHz	<b>50</b> Ω Max.			
5	Fifth Overtones (AT-cut)				
נ	100.000 to 180.000 MHz	<b>90</b> Ω Max.			
"	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				

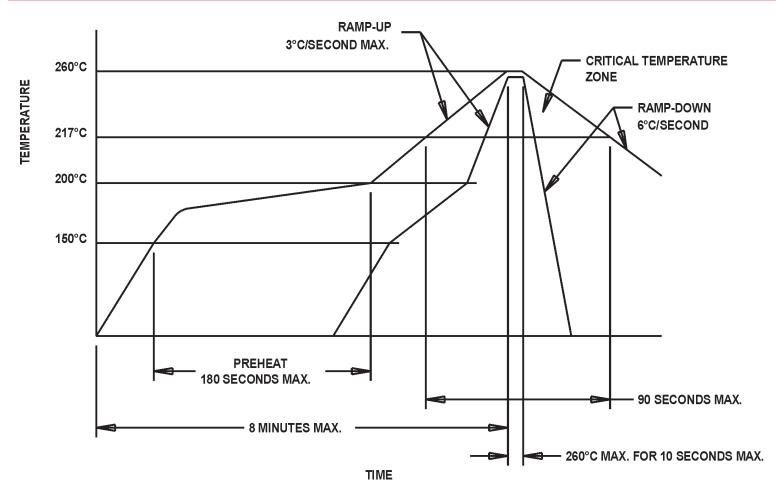
Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of frequencies > 100 MHz.

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Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.

## **Mtron PTI**<sup>®</sup>

## **MtronPTI Lead Free Solder Profile**



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