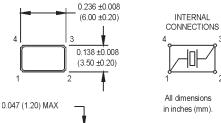
PP Surface Mount Crystals 3.5 x 6.0 x 1.2 mm





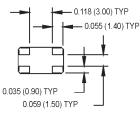


- Miniature low profile package
- **RoHS** Compliant
- Wide frequency range
- PCMCIA high density PCB assemblies

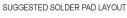


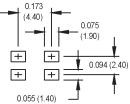


ACTUAL SIZE









Available Stabilities vs. Temperature

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

A = Available N = Not Available

0	Ordering Information						
-		PP	1	М	М	хх	00.0000 MHz
Те	oduct Series mperature Range 1: 0°C to +70°C 3: -20°C to +80°C 5: -20°C to +80°C blerance	2: -10°C 4: -30°C 6: -40°C ±30 ppm : ±50 ppm	to +60°C				
Lo	ability C: ±5 ppm D F: ±15 ppm G H: ±25 ppm J M: ±50 ppm P pad Capacitance Blank: 18 pF (std) S: Series Resonant XX: Customer Spec equency (customer spec	: ±10 ppm : ±20 ppm : ±30 ppm : ±100 ppn	o 32 pF]		

M1003Sxxx - Contact factory for datasheet.

	PARAMETERS	VALUE		
	Frequency Range*	10.000 to 180.000 MHz		
	Tolerance @ +25°C	See ordering information		
	Stability	See ordering information		
s	Aging	±2 ppm/yr Max		
Specification	Shunt Capacitance	5 pF Max.		
cat	Load Capacitance	See ordering information		
life	Standard Operating Conditions	See ordering information		
) e	Equivalent Series Resistance (ESR), Max.			
	Fundamental (AT-cut)			
Electrical/Environmental	10.0000 to 12.999 MHz	80 Ω Max.		
	13.000 to 13.999 MHz	50 Ω Max.		
	14.000 to 19.999 MHz	40 Ω Max.		
	20.000 to 45.000 MHz	30 Ω Max.		
ш	Third Overtones (AT-cut)			
al/	40.000 to 150.000 MHz	50 Ω Max.		
tric	Fifth Overtones (AT-cut)			
lec	100.000 to 180.000 MHz	90 Ω Max.		
ш	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		

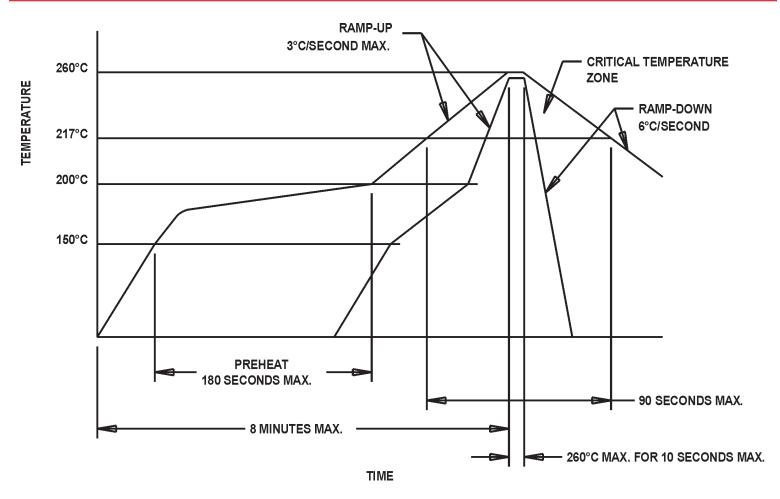
* Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

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Downloaded from Arrow.com.

MtronPTI Lead Free Solder Profile



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