PP Surface Mount Crystals 3.5 x 6.0 x 1.2 mm

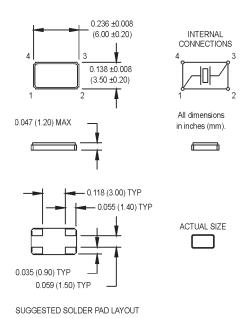




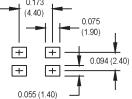




- Miniature low profile package
- RoHS Compliant
- Wide frequency range
- PCMCIA high density PCB assemblies



, 0.173



Available Stabilities vs. Temperature

T	D	F	G	J	М
1	Α	Α	Α	Α	Α
2	N	N	Α	Α	Α
3	Α	Α	Α	Α	Α
6	N	N	A	A	A

A = Available N = Not Available

		PP	1	М	M	XX	00.000 MHz
Product Series—							
Temperature Rang				_			
1: 0°C to +70							
3: -20°C to +7							
5: -20°C to +8	30°C	6: -40°C1	:o +85°C				
Tolerance ———							
D : ±10 ppm	J:	±30 ppm					
F : ±15 ppm							
G : ±20 ppm	H:	±25 ppm					
Stability							
C: ±5 ppm							
F: ±15 ppm	G:	±20 ppm					
H: ±25 ppm M: ±50 ppm	J:	±30 ppm					
		±100 ppm	1				
Load Capacitance							
Blank: 18 pF (S: Series Reso							

M1003Sxxx - Contact factory for datasheet.

	DADAMETERS	VALUE			
	PARAMETERS				
	Frequency Range*	10.000 to 180.000 MHz			
	Tolerance @ +25°C	See ordering information			
	Stability	See ordering information			
s	Aging	±2 ppm/yr Max			
l e	Shunt Capacitance	5 pF Max.			
cat	Load Capacitance	See ordering information			
Specification	Standard Operating Conditions	See ordering information			
ě	Equivalent Series Resistance (ESR), Max.				
	Fundamental (AT-cut)				
ta	10.0000 to 12.999 MHz	80 Ω Max.			
Electrical/Environmental	13.000 to 13.999 MHz	50 Ω Max.			
١Ę	14.000 to 19.999 MHz	40 Ω Max.			
Ιż	20.000 to 45.000 MHz	30 Ω Max.			
۱ä	Third Overtones (AT-cut)				
a	40.000 to 150.000 MHz	50 Ω Max.			
l iż	Fifth Overtones (AT-cut)				
oe	100.000 to 180.000 MHz	90 Ω Max.			
W	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 specific frequencies.





