PP Surface Mount Crystals 3.5 x 6.0 x 1.2 mm

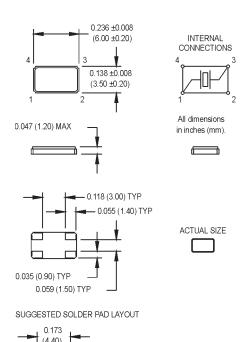








- Miniature low profile package
- RoHS Compliant
- Wide frequency range
- PCMCIA high density PCB assemblies



Available Stabilities vs. Temperature

0.094 (2.40)

s/ T	D	F	G	J	М
1	Α	Α	Α	Α	А
2	N	N	Α	Α	Α
3	Α	Α	Α	Α	Α
6	N	N	Α	Α	Α

A = Available N = Not Available

0.055 (1.40)

-			PP	1	М	M	XX	00.0000 MHz
1	uct Series							
	perature Range							
1	: 0°C to +70°0							
1	: -20°C to +70							
1	: -20°C to +80)°C	6: -40°C t	o +85°C	;			
	rance							
3): ±10 ppm							
	: ±15 ppm							
0	: ±20 ppm	H:	±25 ppm					
Stab	ility———		. 40					
	: ±5 ppm							
	±15 ppm	G:	±20 ppm					
	l: ±25 ppm /l: ±50 ppm	J: D:	±30 ppm					
	n. ±30 ppm I Capacitance -		±100 ppii					
	Blank: 18 pF (s							
	riceristic (Opi (O	,						1

M1003Sxxx - Contact factory for datasheet.

PARAMETERS Frequency Range* 10.000 to 180.000 MHz Tolerance @ +25°C See ordering information Stability See ordering information Aging 42 ppm/yr Max Shunt Capacitance Load Capacitance See ordering information Standard Operating Conditions Equivalent Series Resistance (ESR), Max. Fundamental (AT-cut) Frequency Range* 10.000 to 180.000 MHz See ordering information See ordering information See ordering information	
Tolerance @ +25°C See ordering information Stability See ordering information	
Stability See ordering information	
Aging 12 nam/m May	
Aging ±2 ppm/yr Max Shunt Capacitance 5 pF Max. Load Capacitance See ordering information	
Shunt Capacitance 5 pF Max.	
Load Capacitance See ordering information	
The Control Co	
Standard Operating Conditions See ordering information	
Equivalent Series Resistance (ESR), Max.	
[발] 10.0000 to 12.999 MHz 80 Ω Max.	
2 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.	
Third Overtones (AT-cut)	
चू 40.000 to 150.000 MHz 50 Ω Max.	
Fifth Overtones (AT-cut)	
10.0000 to 12.999 MHz 13.000 to 13.999 MHz 14.000 to 19.999 MHz 20.000 to 45.000 MHz 30 Ω Max. Third Overtones (AT-cut) 40.000 to 150.000 MHz 50 Ω Max. 70 Max. 10 0.000 to 150.000 MHz 90 Ω Max. 10 0.000 to 180.000 MHz 90 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 are available. Contact the factory for availability of specific frequencies.





