

PJ Surface Mount Crystals

5.5 x 11.7 x 2.2 mm



OBSOLETE

Ordering Information

PJ 1 P P XX MHz

Product Series: PJ 1 P P XX MHz

Temperature Range: 10°C to +70°C, 10°C to +85°C, 10°C to +60°C

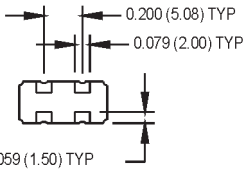
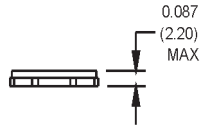
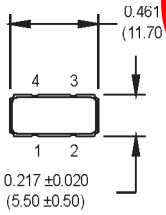
Tolerance: ±30 ppm, P: ±100 ppm

Stability: 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

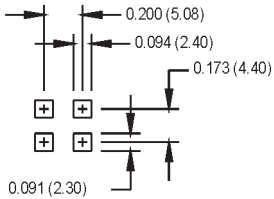
Frequency (Customer Specified): _____

M1013Sxxx - Contact factory for datasheet.



All dimensions in inches (mm).

SUGGESTED SOLDER PAD LAYOUT



PARAMETERS		VALUE
Electrical Specifications	Frequency Range*	3.579545 to 30.000 MHz
	Tolerance @ +25°C	See Table
	Stability	See Table
	Aging	±5 ppm/yr. Max.
	Shunt Capacitance	7 pF Max.
	Load Capacitance	18 pF Std.
	Standard Operating Conditions	See Table
	Equivalent Series Resistance (ESR), Max. Fundamental (AT-cut)	
	3.579 to 3.999 MHz	200 Ω
	4.000 to 7.999 MHz	150 Ω
8.000 to 9.999 MHz	100 Ω	
10.000 to 19.999 MHz	80 Ω	
20.000 to 30.000 MHz	50 Ω	
Drive Level	100 μW Max., 50 μW Typ., 10 μW Min.	
Environmental	Mechanical Shock	MIL-STD-202, Method 213, C
	Vibration	MIL-STD-202, Method 201 & 204
	Thermal Cycle	MIL-STD-883, 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.

MtronPTI Lead Free Solder Profile



MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

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