M1253 Surface Mount Crystal 2.5 x 3.2 x 0.65 mm

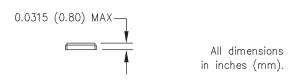


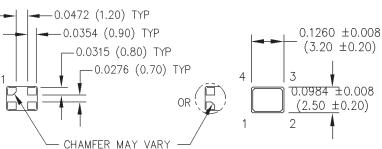
Features:

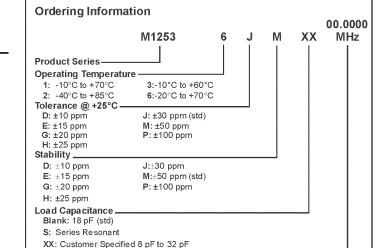
- Ultra-Miniature Size
- Tape & Reel
- Leadless Ceramic Package Seam Sealed

Applications:

- · Handheld Electronic Devices
- PDA, GPS, MP3
- Portable Instruments
- PCMCIA Cards
- Bluetooth

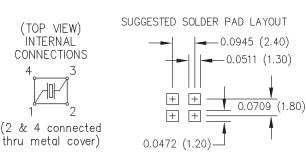






M1253Sxxx - Contact factory for datasheet.

Frequency (customer specified)



	Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Environmental Electrical Specifications	Frequency Range	F	13		54	MHz	
	Frequency Tolerance	F/F	See Ordering Information			ppm	+25°C
	Frequency Stability	F/F	See Ordering Information			ppm	Over Operating Temperature
	Operating Temperature	Topr	See Ordering Information			°C	
	Storage Temperature	T _{stg}	-55		+125	°C	
	Aging	Fa			±5	ppm/yr	+25°C
	Load Capacitance	C _L					See Ordering Information
	Shunt Capacitance	C₀			3	рF	
	ESR						
	Fundamental AT-Cut Frequencies 13.000000 to 19.999999 MHz 20.000000 to 29.999999 MHz 30.000000 to 54.000000 MHz				80 70 50	Ohms Ohms Ohms	All All All
	Drive Level	Di	10	100	300	μW	
	Insulation Resistance	I _R	500			Megohms	100 VDC
	Aging	Internal Specification				168 hrs. at +55°C	
	Physical Dimensions	MIL-STD-883, Method 2016					
	Shock	MIL-STD-202, Method 213 Condition C				100 g	
	Vibration	MIL-STD-202, Methods 201 & 204				10 g from 10-2000 Hz	
	Thermal Cycle	MIL-STD-883, Method 1010, Condition B				-55°C to +125°C	
	Gross Leak	MIL-STD-202, Method 112				30 sec. Immersion	
	Fine Leak	MIL-STD-202, Method 112				1 x 10 ⁻⁸ atmcc/sec. min.	
	Resistance to Solvents	MIL-STD-883, Method 2015				Three 1 minute soaks	
	Max Soldering Conditions	See solder profile, Figure 1					

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.





