M1253 Surface Mount Crystal 2.5 x 3.2 x 0.65 mm



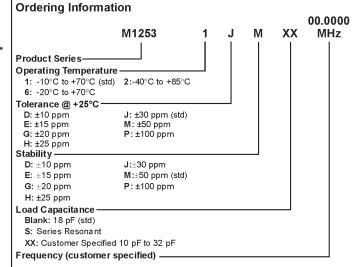
Features:

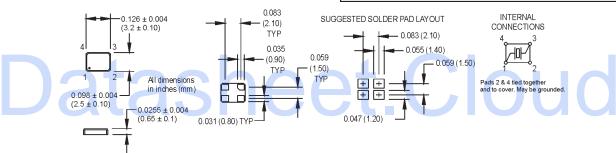
- Ultra-Miniature Size
- Tape & Reel
- Leadless Ceramic Package Seam Sealed

Applications:

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







Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency Range	F	13		54	MHz	
Frequency Tolerance	F/F	See Ordering Information ppm			ppm	+25°C
Frequency Stability	F/F	See Ordering Information ppm			ppm	Over Operating Temperature
Operating Temperature	T_{opr}	See Ordering Information °C			°C	
Storage Temperature	T_{stg}	-55		+125	°C	
Aging	Fa			±5	ppm/yr	+25°C
Load Capacitance	C_L					See Ordering Information
Shunt Capacitance	C ₀			3	pF	
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	AII AII AII
Drive Level	D_L	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 ¹⁸ atmcc/sec. min.
Resistance to Solvents	MIL-STD-883, Method 2015					Three 1 minute soaks
Reflow Solder Conditions	MIL-STD-202, Method 210, Condition C					Pb Free = +260°C for 10 secs. max

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.