M1325 Surface Mount Crystal 3.2 x 5 x 0.8 mm



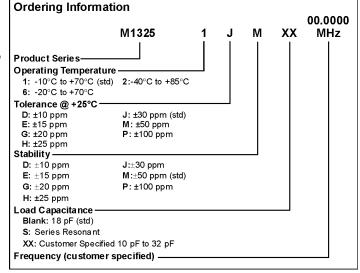
Features:

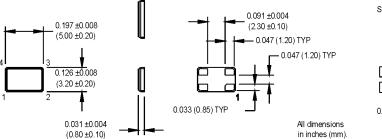
- Ultra-Miniature Size
- Tape & Reel
- · Leadless Ceramic Package Seam Sealed

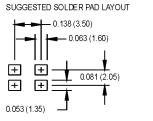
Applications:

- · Handheld Electronic Devices
- PDA, GPS, MP3
- · Portable Instruments









(TOP VIEW)
`INTERNAL'
CONNECTIONS
4 3
Ĭ _n ∟∕Ĭ
<u>/ III </u>
2 (2 & 4 connected
thru metal cover;
thru metal cover;

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency Range	F	12		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	T_{opr}	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	C_0			7	рF	
ESR						
Fundamental AT-Cut Frequencies 12.000000 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	D_L	10		100	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.