

SPECIFICATION FOR HC-49U/S-SMD CRYSTAL MtronPTI P/N M1001S609

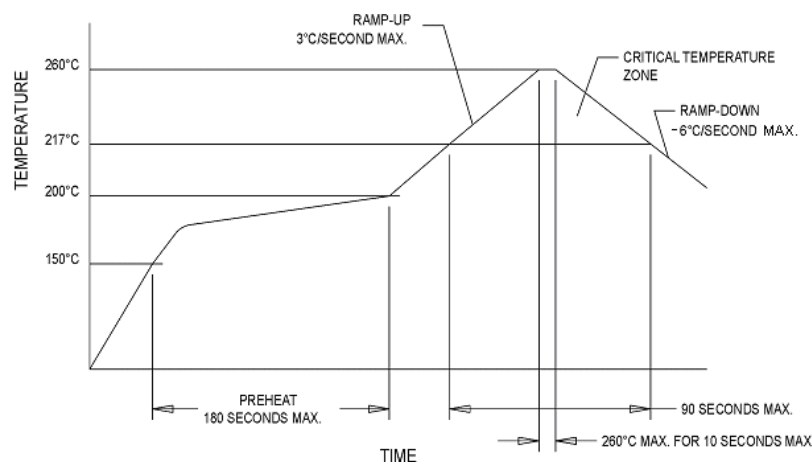
Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Mode of Oscillation		Fundamental (AT-Cut)				
Frequency	F _O		4.000000		MHz	
Frequency Tolerance	F/F	-30		+30	ppm	@ +25°C
Frequency Stability	ΔF/F	-100		+100	ppm	Over operating temp range
Operating Temperature	T _A	-40		+125	°C	
Storage Temperature	T _S	-55		+125	°C	
Aging		-3		+3	ppm	1 st Year
Load Capacitance	C _L	18			pF	
Shunt Capacitance	C _o			5	pF	
ESR				150	Ω	
Drive Level	D _L	25	100	500	μW	
Insulation Resistance		500			MΩ	@ 100 V _{DC}

Environmental & Mechanical Requirements:

Mechanical Shock	Per MIL-STD-202, Method 213, Condition C.
Vibration	Per MIL-STD-202, Methods 201 & 204
Thermal Cycle	Per MIL-STD-883, Method 1010, Condition B
Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm cc/s of Helium)
Solderability	Per EIAJ-STD-002
Max. Soldering Conditions	See Figure 1
Package Type	2-pad HC-49S-SMD resistance weld. RoHS compliant.

Figure 1

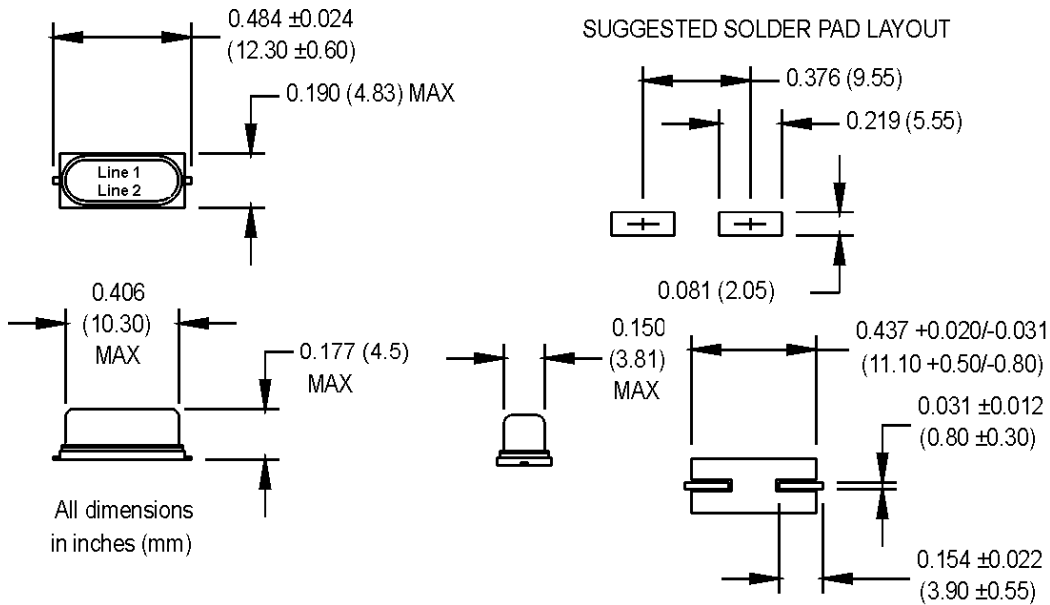


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MtronPTI P/N M1001S609

Dimensions, Marking, and Pin Out Information:

Part Marking	
Line 1	
Line 2	M1001S609

Legend	
M	MtronPTI
F	Frequency
V	Vendor code
X	Month
Y	Year



DATA SHEET REVISION TABLE:

Date	Rev.	Author	Details of Revision