

SPECIFICATION FOR RoHS 6 COMPLIANT HC-49U/S-SMD CRYSTAL MtronPTI P/N M1001S066

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Mode of Oscillation		Fundamental (AT-Cut)				
Frequency	F ₀		25.000000		MHz	Nominal Center Frequency
Frequency Tolerance	F/F	-30		+30	ppm	@ +25°C
Frequency Stability	ΔF/F	-50		+50	ppm	Over operating temp range
Operating Temperature	T _A	-10		+70	°C	
Storage Temperature	T _S	-55		+125	°C	
Aging @ +25°C		-5		+5	ppm	First Year
Load Capacitance	C _L		12		pF	
Shunt Capacitance	C ₀			7	pF	
ESR				50	Ω	@ +25°C
Drive Level	D _L	10	100	500	μW	

Environmental & Mechanical Requirements:

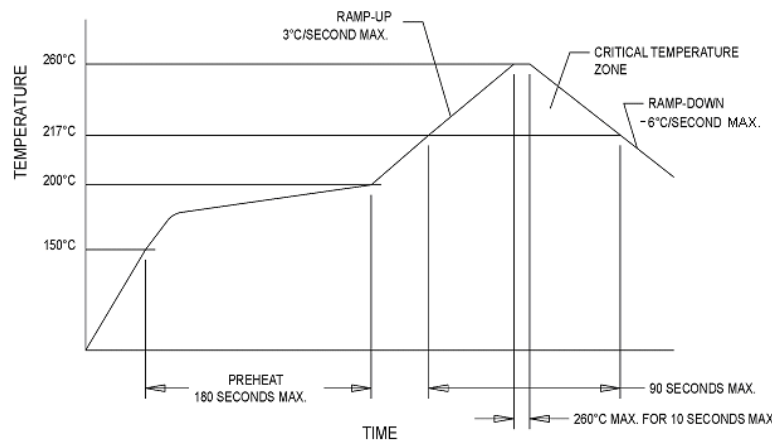
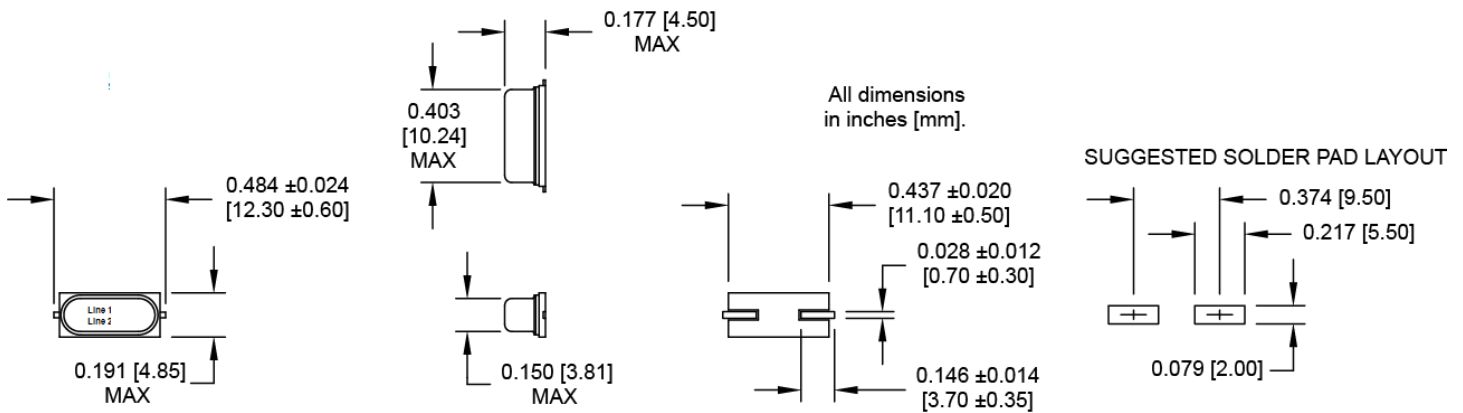
Mechanical Shock	Per MIL-STD-202, Method 213, Condition C.
Vibration	Per MIL-STD-202, Methods 201 & 204
Thermal Cycle	Per MIL-STD-883, Method 1010, Condition B
Gross Leak	Per MIL-STD-202, Method 112 (30 sec. Immersion)
Fine Leak	Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm cc/s of Helium)
Solderability	Per EIAJ-STD-002
Max. Soldering Conditions	See Figure 1
Package Type	2-pad HC-49U/S-SMD, resistance weld, ATSM-49 type
RoHS	Full RoHS Compliance

SPECIFICATION FOR RoHS 6 COMPLIANT HC-49U/S-SMD CRYSTAL
MtronPTI P/N M1001S066

Dimensions, Marking, and Pin Out Information:

Part Marking	
Line 1	MFFFFVXY
Line 2	M1001S066

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



Data Sheet Revision Table:

Date	Rev.	Author	Details of Revision
11/19/03	0	WNJ	Original release.
1/6/04	A	WNJ	Changed Load Capacitance to 12 pF.
11/6/13	B	MM	Updated to new datasheet format.