



SPECIFICATION FOR HC-49/U CRYSTAL MtronPTI P/N M1002S286

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Mode of Oscillation		3 rd Overtone (AT-Cut)				
Frequency of Operation	F _o		57.770833		MHz	
Frequency Tolerance	F/F	-10		+10	ppm	@ 25°C
Frequency Stability	ΔF/F	-10		+10	ppm	Over temperature range
Operating Temperature	T _A	-20		+70	°C	
Storage Temperature	T _s	-40		+85	°C	
Aging @ +25°C		-3		+3	ppm	First year
		-1		+1	ppm	Per year thereafter
Load			Series Resonant			
Shunt Capacitance	C _o			7.0	pF	
ESR				50	Ω	
Drive Level	D _L	10	100	500	μW	

Environmental Conditions:

Mechanical Shock	Per MIL-STD-202, Method 213, Condition C
Vibration	Per MIL-STD-202, Methods 201 & 204
Hermeticity	Per MIL-STD-202, Method 112 (1 X 10 ⁻⁸ atm cc/s of Helium)
Solderability	Per EIAJ-STD-002
Max. Wave Soldering Conditions	+260°C for 10 seconds. Wave soldering process.
Package Type	HC-49U resistance weld. RoHS compliant.

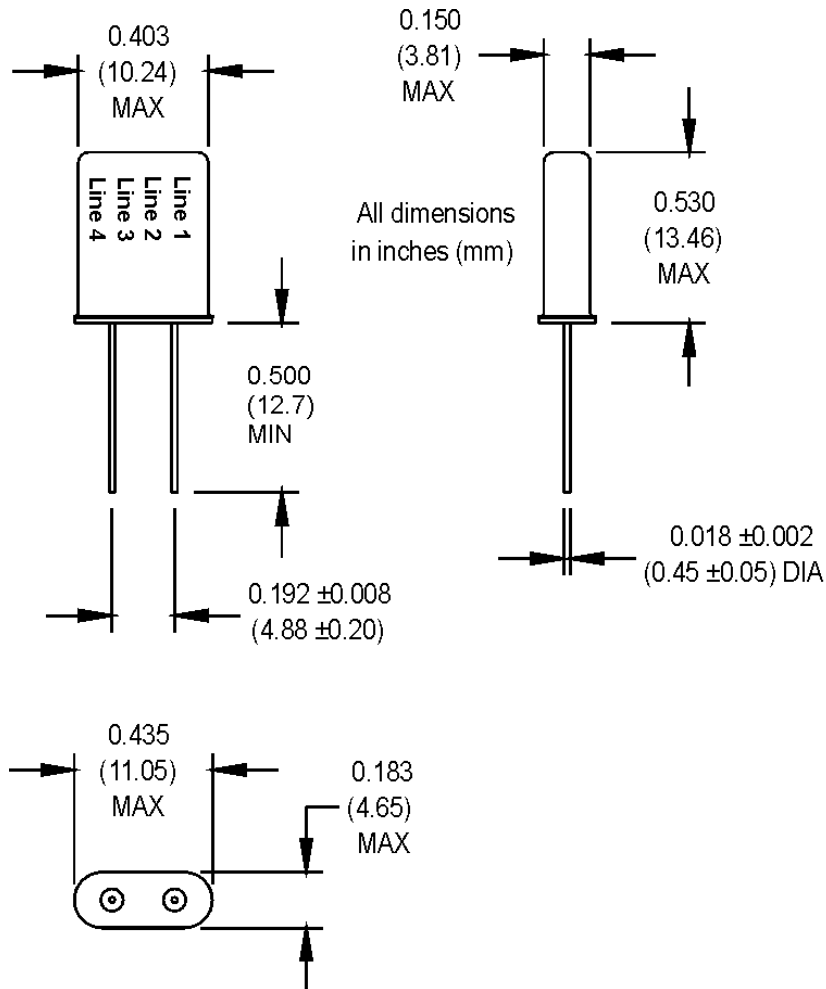


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Mechanical and Marking Information:

Part Marking	
Line 1	57.770833 (Frequency)
Line 2	MTRONPTI
Line 3	M1002S286 (MtronPTI P/N)
Line 4	yyww (Date Code)

Legend	
yy	Year
ww	Month



DATA SHEET REVISION TABLE:

Date	Rev.	Author	Details of Revision
7/26/10	0	WNJ	Original release.