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SPECIFICATION FOR HC-49/U CRYSTAL MtronPTI P/N M1002S210

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Mode of Oscillation		Fundamental (AT-cut)				
Frequency	F ₀		5.482000		MHz	Nominal Center Frequency
Frequency Tolerance	F/F	-20		+20	ppm	@ +25 °C
Frequency Stability	ΔF/F	-50		+50	ppm	Deviation over the operating temperature range.
Aging @ +25°C		-5		+5	ppm	Per year
Operating Temperature	T _A	-55		+105	°C	
Storage Temperature	T _{STG}	-55		+125	°C	
Load Capacitance	C _L	29.5	30	30.5	pF	
Shunt Capacitance	C ₀			7	pF	
Equivalent Series Resistance	ESR			75	Ω	@ +25 °C
Drive Level	D _L	25	100	10000	μW	

Environmental Conditions:

Shock	Per MIL-STD-202, Method 213, Condition C
Vibration	Per MIL-STD-202, Methods 201 & 204
Hermeticity	Per MIL-STD-202, Method 112 (must meet 1 x 10 ⁻⁸ atm cc/sec min)
Maximum Wave Soldering Conditions	+260 °C for 10 seconds
Solderability	Per EIAJ-STD-002
Package	HC-49/U resistance weld with 3 rd lead - Sn-Pb tinned leads.

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Dimensions and Marking Information:

Part Marking	
Line 1	5.482000
Line 2	MtronPTI
Line 3	yywwvv
Line 4	M1002S210

Legend	
yy	Year
ww	Month
vv	Factory Code

