

Pletronics, Inc.

19013 36th Ave. W, Suite H • Lynnwood, WA 98036 USA Manufacturer of High Quality Frequency Control Products

MP49 Crystal

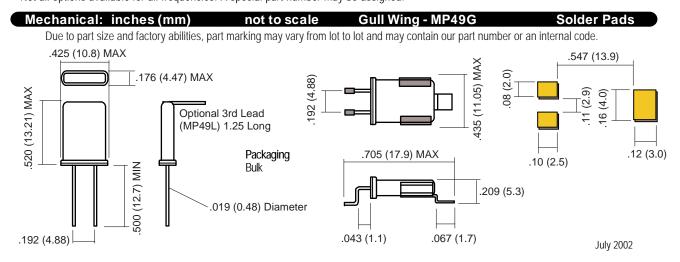
- HC-49U Metal Thru-Hole Crystal
- Available as Gull Wing SMD or with Pull-Down Pin on Top of Can

1.8432 MHz - 210.00 MHz

Standard Specifications

Calibration Frequency Tolerance at 25°C Operating Temperature Range (OTR) Frequency Stability (FS) over OTR Drive Level Aging at 25°C Shunt Capacitance Pullability		 ± 30 PPM is standard, tighter tolerances available 0 to +70°C is standard, but can be extended to -40 to +85°C ± 50 PPM is standard, see below for tighter tolerances available per OTR options 50 mW is standard, customer may specify ± 5 PPM per year is standard, customer may specify ± 1 PPM 7 pF maximum 					
		ional abift required	Temperature Range -10 to +60°C		Tightest FS + 3 PPM		
May be specified by customer in terms of frequency shift required over a certain range of load capacitance (e.g. +100 PPM from CL=12 to CL=18 pF) or as motional capacitance (f F)			-20 to +70°C			± 5 PPM	
			-30 to +80°C		± 10 PPM		
			-40 to +85°C		± 20 PPM		
Part Numbering Guide			ESR Values				
Portions of the part number that appear after the frequency may not be marked on part (C of C provided) SR MP49 E - xx - 70.0M - IN - XXX (Internal Code or blank)			Oscillation Mode	Frequency Range (MHz)		Maximum ESR (Ohms)	
Series 🖵 🗍 🗍	Options	Options	Fundamental	1.8432 - 2.999		700	
Resonance Model —		IN=Insulator	AT Cut	3.000 - 3.999		150	
		TR=Paper Tape & Reel		4.000 - 6.999 7.000 - 9.999		100	
	PN=Put on Pads Frequency in MHz					50	
	- Frequen	cy in MHz		10.000 - 37.	000	25	
pecial Specifications		nance itance in pF (≥ 8 pF)	3rd Overtone AT Cut	21.000 - 90.	000	40	
Blank: Std Specs (0 to +70°C) E: Extended Operating Temperature Range (- 40 to G: Gull Wing Surface Mount Package L: 3rd Lead (Pull-down pin) on top of can		+85°C)	5th Overtone	60.000 -150.	000	70	
			7th Overtone	85.000 -210.	000	100	
V: Vinyl Sleeve Insulation Consult factory for available frequencies and specs.			Consult factory for lower ESR				
Consult factory f	or available frequenc	ies and specs.					

Not all options available for all frequencies. A special part number may be assigned.



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