



HC-49U, HC-49T & HC-49G Series Thru-Hole & SMD Crystal Unit

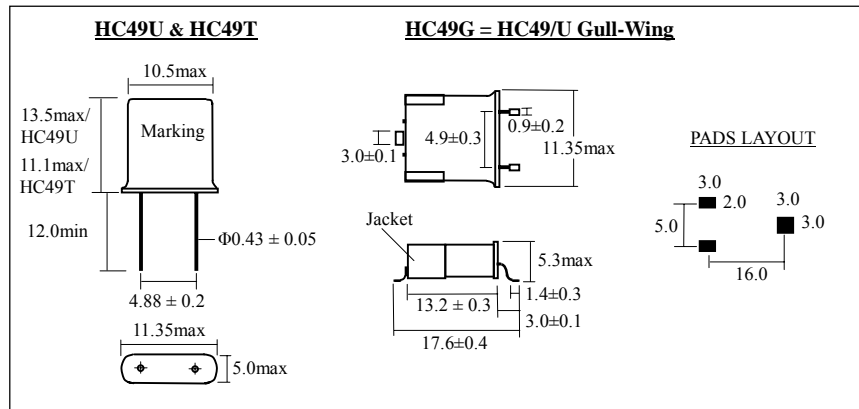
- FEATURES**
- . Standard HC49 Resistance Welded Seal
 - . Wide Frequency & Temperature. Range
 - . Packaging Options

SPECIFICATIONS (subject to change w/o notice)

Frequency Range	1.8432MHz ~ 160MHz	
Operating Temp.	0°C ~ +50°C to -55°C ~ +105°C (+175°C)	
Storage Temp.	-55°C ~ +125°C (+185°C)	
Frequency Tolerance	±10/15/20/30/50ppm @ 25°C	
Frequency Stability	±5/10/15/20/30/50/100ppm (Ref. to 25°C) per temperature range	
Load Capacitance	Series or 10pF~32pF (User Specify)	
Shunt Capacitance	7pF Max	
Drive Level	10μW~ 2mW	
Aging (25°C)	±5ppm Max/year	
Insulation Resistance	500MΩ Min @ 100VDC	
Equivalent Series Resistance (ESR) (Max)	600Ω @ 1.8MHz~2.9MHz, Fundamental 250Ω @ 3.0MHz~3.4MHz, Fundamental 150Ω @ 3.5MHz~4.9MHz, Fundamental 75Ω @ 5.0MHz~6.9MHz, Fundamental 50Ω @ 7.0MHz~9.9MHz, Fundamental	30Ω @ 10.0MHz~20.0MHz, Fundamental 25Ω @ 21.0MHz~ 33.0MHz, Fundamental 50 Ω @ 21.0MHz~ 33.0MHz, Fundamental/3 rd Overtone 40 Ω @ 33.0MHz~ 75.0MHz, 3 rd Overtone 100 Ω @ 75.0MHz~ 160.0MHz, 3 rd /5 th Overtone

OUTLINE

(mm) not to scale



PART NUMBERING

Model	Frequency	Load	Tolerance	Stability	Temperature	Packaging	Other Options
HC49U	MHz	pF Value		7: 150ppm	Blank: -10C ~ +60C	Blank: Bulk	Third (GND) Lead
HC49T	Value	or		6: 100ppm	J: -20C ~ +60C	R: Tape & Reel	Special Pullability
HC49G		S: Series	5: 50ppm	5: 50ppm	K: -30C ~ +60C		
			4: 30ppm	4: 30ppm	C: 0C ~ +70C		
			3: 20ppm	3: 20ppm	M: -20C ~ +70C		
			2: 15ppm	2: 15ppm	N: -30C ~ +75C		
			1: 10ppm	1: 10ppm	I: -40C ~ +85C		
				0: 5ppm	E: -40C ~ +105C		
					W: -55C ~ +105C		
					X: -20C ~ +175C		

Example: HC49U-10.000-18-55

Please Consult Microcom Devices Ltd. for Custom Specifications