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**EN:** This Datasheet is presented by the manufacturer.

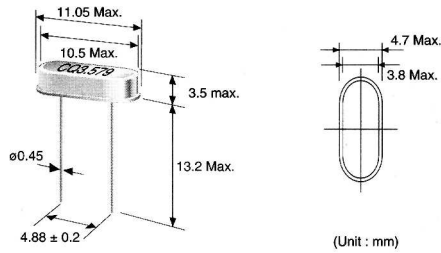
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## HC-49S

Quartz Crystal Units in HC-49S,UM Holder Types

### HC-49S



### Electrical Specifications

Item		HC-49S	
Frequency Tolerance at 25°C		±30 ppm	
Frequency Stability from -20°C to +70°C		±10ppm ~ ±100ppm	
Resistance	Fundamental	3.500~3.999MHz	150
		4.000~4.999MHz	120
		5.000~5.999MHz	100
		6.000~6.999MHz	90
		7.000~8.999MHz	80
		9.000~9.999MHz	60
		10.000~12.999MHz	60
		13.000~24.999MHz	50
		25.000~29.999MHz	N/A
		30.000~34.999MHz	N/A
	3 <sup>rd</sup> Overtone	27.000~39.999MHz	90
		40.000~59.999MHz	90
60.000~89.999MHz		N/A	
5 <sup>th</sup> Overtone	90.000~99.999MHz	N/A	
	80.000~99.999MHz	N/A	
Load Capacitance (CL)		10 ~ 50pF or Series	
Shunt Capacitance (Co)		7pF Max.	
Drive Level		0.1mW~1.0mW	
Insulation Resistance		500M (DC100V±15V)	
Leaking Rate		1x10 <sup>-8</sup> mbar L/Sec.	
Aging		±5ppm/Year	