

QUARTZ CRYSTAL

HC-49U

Features

- A resistance weld completely sealed type
- High frequency stability and reliability
- Excellent aging stability
- RoHS Compliant / Pb Free



Specifications

Holder Type	HC-49U
Frequency Range	1.8432Mhz to 200.000Mhz
Operating Temperature Range	-10°C to +60°C typical or custom-designed
Storage Temperature Range	- 40°C to +85°C typical
Frequency Tolerance (at 25°C)	±30ppm, or specify
Frequency	±50ppm, or specify
Load Capacitance	8pF ~ 32pF or Series
Drive Level	1 ~ 1000 μ W (100 μ W typical)
Shunt Capacitance	7pF Max.
Insulation Resistance	500 M Ω Mini. at DC 100V
Aging (at 25°C)	±5ppm/ year Max.

Equivalent Series Resistance (ESR) and Mode of Operation

Frequency Range	ESR(Ω)	Mode	Frequency Range	ESR(Ω)	Mode
1.8432 ~ 2.300 Mhz	500 Max.	Fundamental	8.0001 ~ 40.000 Mhz	300 Max.	Fundamental
2.3001 ~ 3.000 Mhz	400 Max.	Fundamental	24.000 ~ 80.000 Mhz	50 Max.	3 rd Overtone
3.0001 ~ 5.000 Mhz	90 Max.	Fundamental	80.000 ~ 150.00 Mhz	150 Max.	5 th Overtone
5.0001 ~ 8.000 Mhz	60 Max.	Fundamental			

How to order

HC49US	4.000M	1	20	D	B
Series	Frequency	Operating Temp.	Load capacitance	Frequency Tol.	Package
HC49U series HC49US series	4Mhz 12Mhz 20Mhz	1= -10°C ~+60°C 2= -20°C ~+70°C 3= -40°C ~+85°C 4= -40°C ~+105°C 5= -30°C ~+85°C	10 = 10ppm 15 = 15ppm 20 = 20ppm 30 = 30ppm Or specify	A=±5ppm B=±10ppm C=±15ppm D=±20ppm E=±30ppm	B = Bulk

MSC

Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer

Dimensions (mm)

