

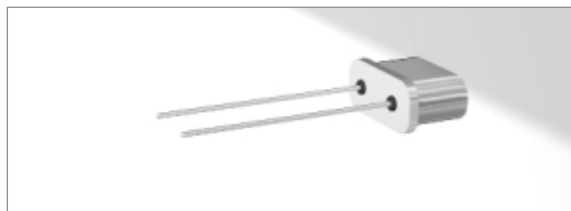
Quartz Crystal HC49US/US(SMD)

Features

- Low Profile
- Industry Standard lead spacing
- Resistance Weld for a good aging factor
- Various options

Options

- Extended Temp. Range
- Third Base Grand Lead
- Mylar Spacer
- Tighter Tolerance such as ± 10 ppm over - 10°C to + 60°C



IDA offers 2 different low profile HC-49US/UM crystals with respectively 2.5 mm and 3.5 mm height having industry standard HC49/U lead spacing. These are ideal for many of space-limited applications.

Specifications

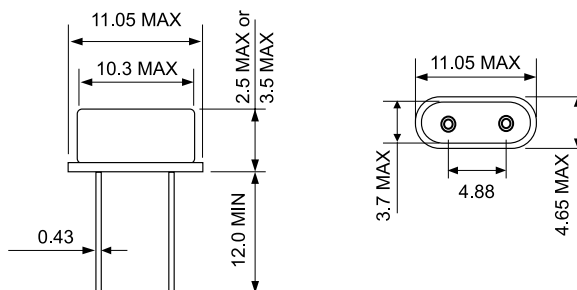
Operating Temp.	0°C ~ + 70°C
Storage Temp.	-30°C ~ +85°C
Aging characteristics	± 5 ppm max @ 25°C per year

Parameter	Condition	Min.	TYP.	Max.	Unit
Frequency Range		3.579545		70.000	MHz
Frequency Tolerance	3.5 - 41MHz AT Fund 27 - 70MHz AT 3rd 30 - 50MHz BT Fund	-30 -30 -50		+30 +30 +50	PPM
Frequency stability reference @ 25°C	3.5 - 41MHz AT Fund 27 - 70MHz AT 3rd 30 - 50MHz BT Fund	-50 -50 -100		+50 +50 +100	PPM
Shunt Capacitance (Co)				7.0	pF
Load Capacitance (CL)	To be specified	10.0	18.0 standard		pF
Drive Level	3.579545 - 70.0MHz		0.1	0.5	mW

Equivalent Series Resistance

Frequency Range (MHz)	OSC. Mode	Max. ESR (Ω)	Frequency Range (MHz)	OSC. Mode	Max. ESR (Ω)
3.579 - 3.999	AT Fund	200	9.000 - 12.999	AT Fund	60
4.000 - 4.999	AT Fund	150	13.000 - 19.999	AT Fund	40
5.000 - 5.999	AT Fund	120	20.000 - 41.000	AT Fund	30
6.000 - 6.999	AT Fund	100	30.000 - 50.000	AT Fund	30
7.000 - 8.999	AT Fund	80	27.000 - 70.000	AT 3rd O. T.	100

- * HC49US = 3.5mmH max.
- * HC49UM = 2.5mmH max.



Unit:mm