

Quartz Crystal Units

6B Series HC-49S Crystal Units

3MHz~100MHz

Size:11.5×5.0×3.5 / 2.5 mm



Features

- AT-strip crystal inside. Optimized for low spurious
- Wide frequency range from 3MHz to 100MHz
- Low profile and cost effective
- Excellent frequency stability
- High stability and reliability with temperature
- Applications: Bluetooth, Security, IoT, Consumer electronic, Wireless communications, PC peripherals, etc.
- RoHS Compliant/Pb Free



Standard Specifications

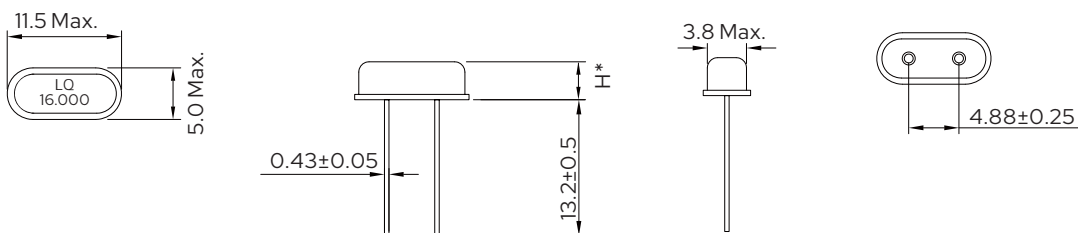
Item	Type	6B Series HC-49S Crystal Units
Frequency Range		3~100MHz
Load Capacitance		16pF, 20pF, 30pF, or specify
Drive Level		100μW typical
Frequency Tolerance		±10ppm, ±20ppm, ±30ppm, or specify (at 25°C)
Frequency Characteristics Over Temperature		±10ppm, ±20ppm, ±30ppm, or specify
Operatring Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C

Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone	
3.0~3.686MHz	200Ω max.	27~30MHz	100Ω max.
3.686~5MHz	150Ω max.	30~50MHz	80Ω max.
5~10MHz	80Ω max.	50~100MHz	60Ω max.
10~14MHz	40Ω max.		
14~30MHz	30Ω max.		

[mm]

Dimensions



TYPE	H
SMD	3.5±0.2
SSMD	2.5±0.2