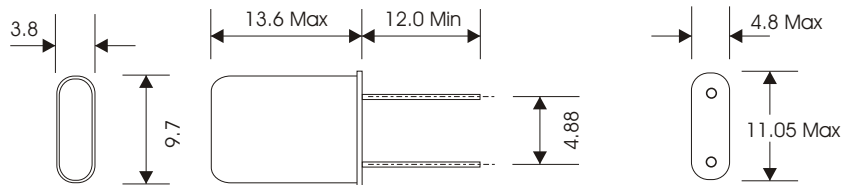




## HC-49/U Standard Height Crystal



HC-49/U

### FEATURES

- Wide Frequency Range
- Additional EMI Protection
- Custom Manufacturing Capability
- Fast Turnaround Options

### APPLICATIONS

- Microprocessor Systems
- Datacommunications
- Consumer Electronics
- Automotive Electronics

#### STANDARD SPECIFICATION

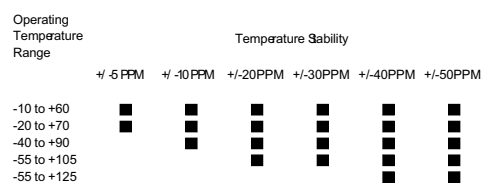
Frequency Range: 300 kHz to 225 MHz  
 Adjustment Tolerance at 25°C: ±30PPM Max.  
 Frequency Stability: ±50PPM Max.  
 Operating Temperature Range: -10°C to +60°C  
 Load Capacity: 30pF  
 E.S.R: See Table  
 Drive level: 500 MicroWatt  
 Ageing: ±5PPM 1st Year Max.

Frequency Range	E.S.R
300kHz ~ 800 kHz	3000 Ω
800kHz ~ 1.3 MHz	5000 Ω
1.8 MHz ~ 2.0 MHz	800 Ω
2.0MHz ~ 2.4 MHz	300 Ω
2.4MHz ~ 3.0 MHz	250 Ω
3.0MHz ~ 3.2 MHz	120 Ω
3.2MHz ~ 4.0 MHz	90 Ω
4.0MHz ~ 4.2 MHz	100 Ω
4.2MHz ~ 6.0 MHz	50 Ω
6.0MHz ~ 8.0 MHz	40 Ω
8.0MHz ~ 36 MHz	25 Ω
36MHz ~ 64 MHz	40 Ω
64MHz ~ 125 MHz	80 Ω
125MHz ~ 200 MHz	140 Ω

#### AVAILABLE OPTIONS

Frequency Range: 300 kHz ~ 225 MHz  
 Adjustment Tolerance: ±5PPM ~ ±100PPM  
 Load Capacity: Series or 9pF ~ 50pF  
 Shunt Capacity (C0): 4.5pF ~ 7pF (Typ.)  
 Dynamic Capacity (C1): 18fF ~ 20fF (Typ.)

#### Frequency Stability vs Operating Temperature Range



#### Value Added Services

In addition, AEL Crystals Ltd are able to offer our customers the following value added services:-

- Fitted Insulators
- Radial Taping
- Lead Pre-Forming
- Lead Cropping
- Earth Lead
- Bar-Coding



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