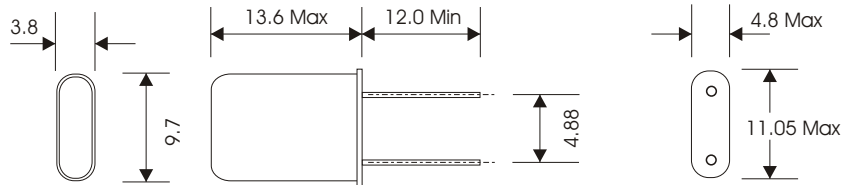




## HC-49/U Standard Height Crystal



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

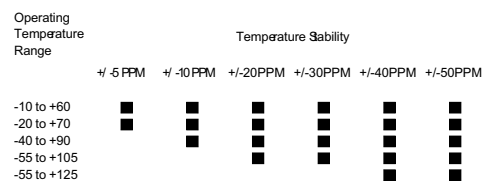
Frequency Range: 300 kHz to 225 MHz  
 Adjustment Tolerance at 25°C: ±30PPM Max.  
 Frequency Stability: ±50PPM Max.  
 Operating Temperature Range: -10°C to +60°C  
 Load Capacity: 30pF  
 E.S.R: See Table  
 Drive level: 500 MicroWatt  
 Ageing: ±5PPM 1st Year Max.

Frequency Range	E.S.R
300kHz	~ 800 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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