

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

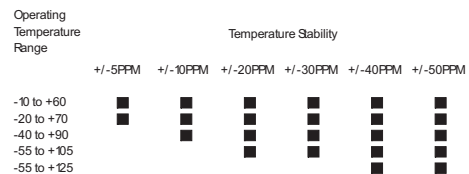
Frequency Range: 300 kHz to 225 MHz
 Adjustment Tolerance at 25°C: ± 30 PPM Max.
 Frequency Stability: ± 50 PPM Max.
 Operating Temperature Range: -10°C to +60°C
 Load Capacity: 30pF
 E.S.R: See Table
 Drive level: 500 MicroWatt
 Ageing: ± 5 PPM 1st Year Max.

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 ± 5 PPM ~ ± 100 PPM
 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



www.aelcrystals.co.uk

quartz based frequency control components

Order Hotline +44 1293 524245

www.aelcrystals.co.uk
sales@aelcrystals.co.uk