

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

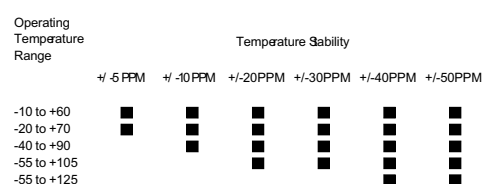
Frequency Range:	300 kHz to 225 MHz
Adjustment Tolerance at 25°C:	±30PPM Max.
Frequency Stability:	±50PPM Max.
Operating Temperature Range:	-10°C to +60°C
Load Capacity:	30pF
E.S.R.:	See Table
Drive level:	500 MicroWatt
Ageing:	±5PPM 1st Year Max.

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



[www.aelcrystals.co.uk](http://www.aelcrystals.co.uk)

quartz based frequency control components

Order Hotline +44 1293 524245

[www.aelcrystals.co.uk](http://www.aelcrystals.co.uk)  
[sales@aelcrystals.co.uk](mailto:sales@aelcrystals.co.uk)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [ael](#) manufacturer:*

Other Similar products are found below :

[O16M000000L021](#) [X9M830400L035](#) [O25M000000L684](#) [O100M000000L010](#) [O16M000000L682](#) [O20M000000L046](#) [O64M000000L153](#)  
[E3SB16.0000F09G11AE](#) [O25M000000L063](#) [O3M686400L120](#) [X14M000000L001](#) [X32K768L102](#) [O25M000000L059](#) [X5M000000L001](#)  
[X9M830400L152](#) [X4M194304L056](#) [X50M000000L001](#) [X12M000000L188](#) [X4M608000L075](#) [O32M000000L097](#) [O40M000000L125](#)  
[O40M000000L126](#) [O4M000000L638](#) [X15M000000L002](#) [O4M000000L134](#) [O20M000000L676](#) [O8M000000L166](#) [X307K200L001](#)  
[X40M000000L104](#) [O8M000000L642](#) [C8M000000L004](#) [X32K768S021](#) [X1M843200L010](#) [C4M000000L001](#) [X19M660800L307](#)  
[X20M000000L010](#) [X32K768S019](#) [X7M372800L027](#) [O10M000000S023](#) [X32K768L009](#) [C8M000000S014](#) [C16M000000L003](#)  
[X32K768L104](#)