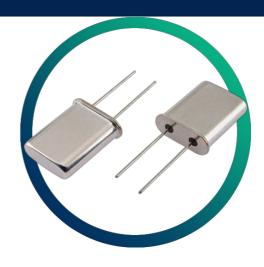
# **HC49**

# **Standard Crystal**

- Industry standard HC49 case
- Fundamental mode available up to 40.0MHz
- Tight specifications available
- Wide frequency range available

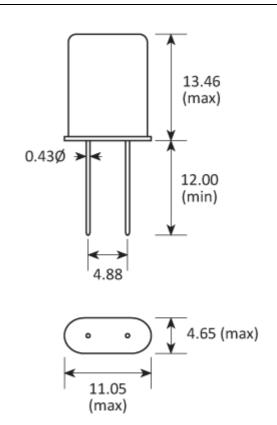


Parameter	Option Cod
Frequency	
Calibration tolerance	
Any	
±10ppm	1
±20ppm	2
±30ppm	3
±50ppm	5
Temperature stability	
Any	
±10ppm	1
±20ppm	2
±30ppm	3
±50ppm	5
Operating temperature range	
Any	
-10 to +60°C	1
-20 to +70°C	2
-30 to +80°C	3
-40 to +85°C	4
Circuit condition	
Any	
12pF	В
16pF	D
18pF	Е
20pF	F
30pF	J
Series resonant	S
Oscillation mode	
Any	
Fundamental	F
3rd overtone	3

# **SPECIFICATIONS**

Frequency range	1.0 ~ 160MHz
Dimensions	11.05 x 4.65 x 13.46mm
Package	Resistance weld
Operating	0 to +50°C
temperature	
range	
Equivalent series	$3000\Omega$ max (1.0MHz)
resistance	$700\Omega$ max (1.80 ~ 2.0MHz)
	500Ω max (>2.0 ~ 2.4MHz)
	$300\Omega$ max (>2.4 ~ 3.0MHz)
	$200\Omega$ max (>3.0 ~ 3.2MHz)
	150 $\Omega$ max (>3.2 ~ 3.7MHz)
	$100\Omega$ max (>3.7 ~ 4.2MHz)
	80Ω max (>4.2 ~ 6.0MHz)
	50Ω max (>6.0 ~ 9.0MHz)
	30Ω max (>9.0 ~ 36.0MHz)
	$60\Omega$ max (>24.0 ~ 90.0MHz, 3rd OT)
	80Ω max (>80.0 ~ 160.0MHz, 5th OT)
Static	7pF max
capacitance (C <sub>0</sub> )	
Ageing	±3ppm max first year
Test drive level	100μW
Net mass	844mg

## **PACKAGE DRAWING**



Dimensions in mm

#### ORDERING INFORMATION

To request a quotation for the HC49 please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at <a href="mailto:sales@golledge.com">sales@golledge.com</a>.

Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

# **HANDLING & STORAGE**



🙏 Human Body Model (HBM) 1A (250V to <500V)



Moisture Sensitivity Level (MSL): 1 (or not applicable)

#### CONSTRUCTION

Resistance weld

### **COMPLIANCE**

Please refer to our **DOCUMENTS** section for more information.



Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions.



REACH compliant.



Free of conflict minerals.



Free from halogens.



Free from ozone-depleting substances.