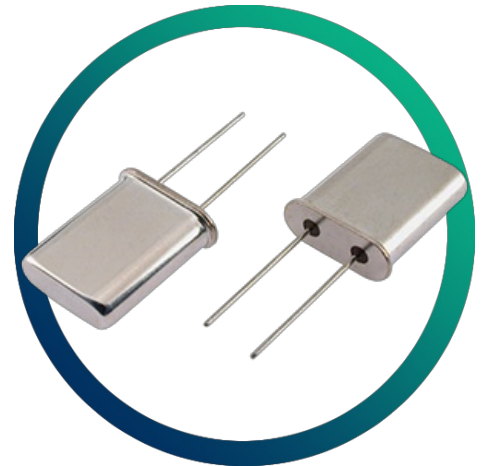


# HC49

## Standard Crystal

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



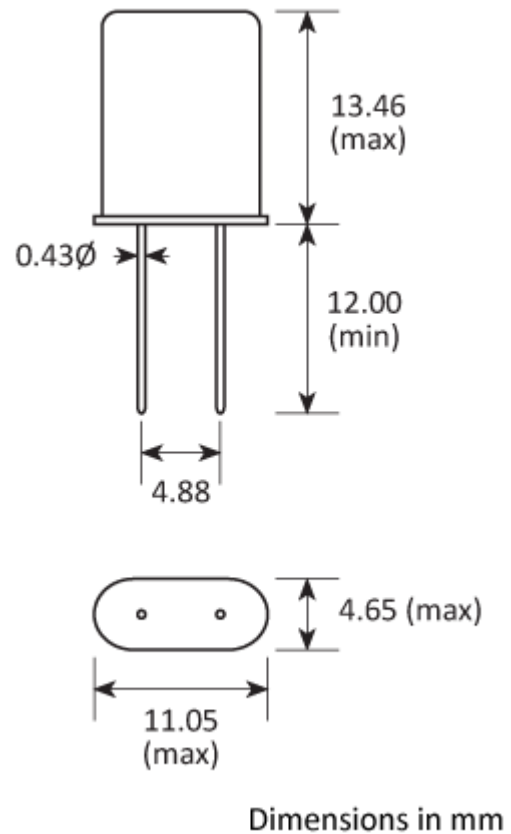
### CONFIGURABLE OPTIONS

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

## SPECIFICATIONS

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

## PACKAGE DRAWING



## ORDERING INFORMATION

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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 [sales@golledge.com](mailto:sales@golledge.com).

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.

## CONSTRUCTION

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Resistance weld

## HANDLING & STORAGE

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



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

## COMPLIANCE

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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.