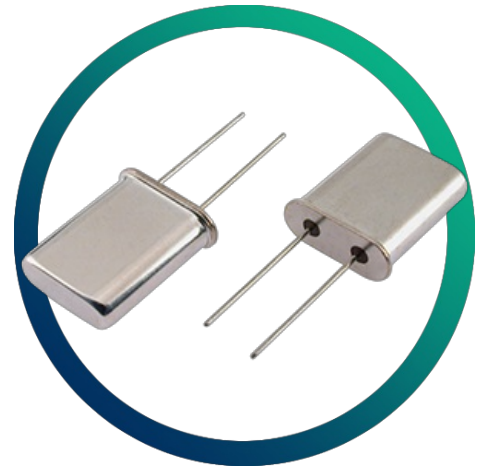


# HC49

## Standard Crystal

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



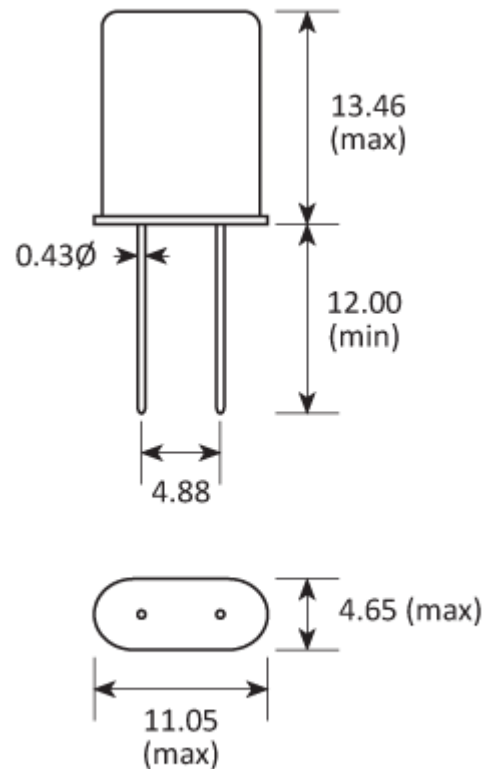
### CONFIGURABLE OPTIONS

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

## 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 [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

---

Resistance weld

## COMPOSITION

---

MCDFamily HC49.pdf

## HANDLING & STORAGE

---



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



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

## MATERIAL COMPOSITION

---



Lead-free (< 0.1% by weight )



RoHS 2 compliant with no exemptions. [See our declaration](#)



REACH compliant. [See our statement](#)



Free of conflict minerals. [See our declaration](#)



Free of Halogens. [See our declaration](#)



Free of Ozone-depleting substances. [See our declaration](#)



Nominal Net Mass: 840mg

## OTHER INFORMATION

### About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

### Come and visit

Eaglewood Park, ILMINSTER,  
Somerset, TA19 9DQ, England

### Give us a call

Tel: +44 1460 256 100  
Fax: +44 1460 256 101

### Email us

sales@golledge.com

### Our Worldwide Distributors

#### Belgium & Luxembourg

Alcom Electronics NV/SA



**Email** info@alcom.be  
**Web** www.alcom.be  
**Tel** +32 (0)3 458.30.33

#### China, Hong Kong - 中国 / 香港

Meiya China



**Email** sales@meiyatech.com  
**Web** www.meiyatech.com  
**Tel** +86 755 2823 1923

#### France

Equipments Scientifique



**Email** comp@es-france.com  
**Web** www.es-france.com  
**Tel** +33 1 47 95 99 89

#### Germany

MEV Elektronik Service GmbH



**Email** info@mev-elektronik.com  
**Web** www.mev-elektronik.com  
**Tel** +49 54 24 23 40-0

#### India

V5 Semiconductors



**Email** sales@v5semiconductors.com  
**Web** v5semiconductors.com  
**Tel** +91-80-2661 0621

#### Israel

Phoenix Technologies Ltd



**Email** sales@phnx.co.il  
**Web** www.phnx.co.il  
**Tel** +972 9 764 4800

#### Netherlands

Alcom Electronics BV



**Email** info@alcom.nl  
**Web** alcom.nl  
**Tel** +31 (0)10 288.25.00

#### Norway

Link Nordic



**Email** bjorn.nyjordet@linknordic.com  
**Web** linknordic.com  
**Tel** +47 93 22 68 90

#### Russia - Россия

EFO Ltd



**Email** elena@efo.ru  
**Web** www.golledge.ru  
**Tel** +7(812)327-8654

#### Spain & Portugal

R.C. Microelectronica, S.A.



**Email** ventas@rcmicro.es  
**Web** www.rcmicro.es  
**Tel** +34 93 260 21 66

Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).

To take advantage of our highly praised service get in touch with us today.