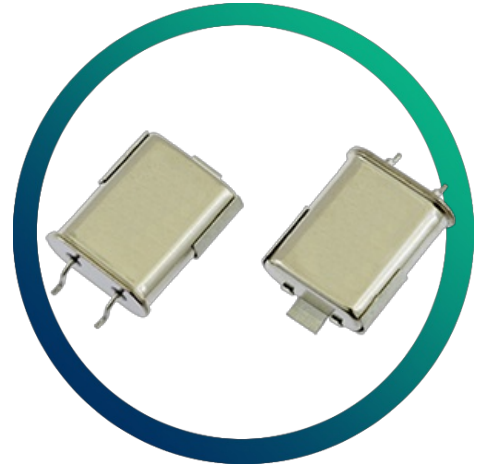


HC49J

Industry Standard SM Crystal with Formed Leads

- Fundamental mode available up to 40.0MHz
- Low cost for volume applications
- Express manufacturing service
- Custom frequencies easily produced
- Tight specifications available



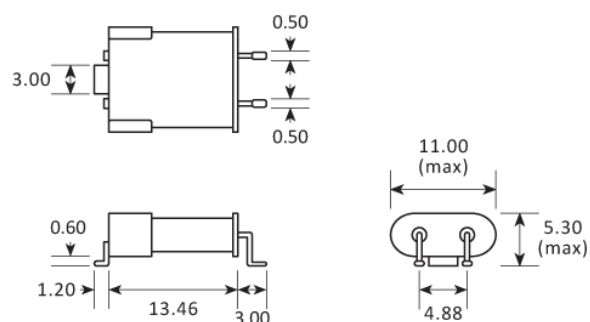
CONFIGURABLE OPTIONS

Parameter	Option Code
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	B
16pF	D
18pF	E
20pF	F
30pF	J
Series resonant	S
Oscillation mode	
Any	
Fundamental	F
3rd overtone	3
5th overtone	5

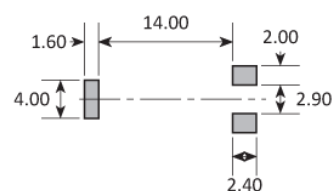
SPECIFICATIONS

Frequency range	1.0 ~ 160MHz
Dimensions	17.7 x 11.0 x 5.3mm
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 ₀)	7pF max
Ageing	±3ppm max first year
Test drive level	100μW

PACKAGE DRAWING



SOLDER PAD LAYOUT



Dimensions in mm

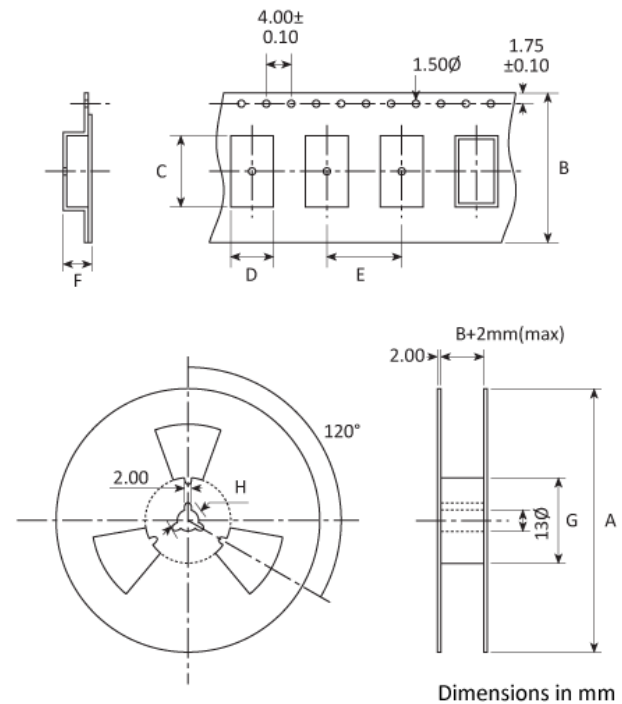
ORDERING INFORMATION

To request a quotation for the HC49J 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.

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.

TAPE & REEL SPECIFICATION



A:330 B:24 C:18.5 D:11.4 E:16 F:5.7 G:100 H:21

HANDLING & STORAGE



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



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

CONSTRUCTION

Resistance weld

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](#)

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.

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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.