



ISSUE 15; September 2012 - RoHS 2011/65/EU

Description

- Industry standard leaded package
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
Variants available include but are not limited to:-
3L = an additional centre mounted leg grounds the can
TW = an additional top mounted leg grounds the can
T = a truncated height of 11.1mm
Please see our HC49 Gull-Wing for a SMD alternative
Please contact our sales offices for more options

Frequency Range

- Frequency 1.8432 to 270.0000MHz
- Frequency Stability ±5.00ppm
- Frequency Tolerance ±5ppm to ±100ppm

General Specification

- Load Capacitance (CL) 10.0pF to 75.0pF or Series
- Drive Level 1mW max
- Ageing ±3ppm typical per year
- Shunt Capacitance (C0) 7pF max

Operating Temperature Ranges

- 0 to 50°C
- 10 to 60°C
- 20 to 70°C
- 30 to 80°C
- 40 to 85°C
- 55 to 105°C
- 55 to 125°C

Environmental Parameters

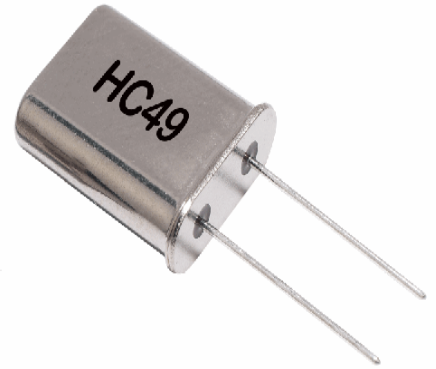
- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s², 30mins in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

Ordering Information

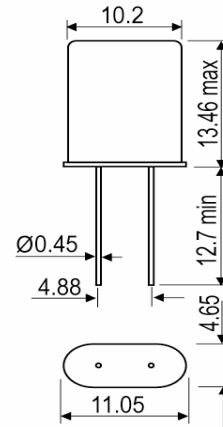
- Frequency*
- Model*
- Frequency Tolerance (@25°C)*
- Frequency Stability (over operating temperature range)*
- Operating Temperature Range*
- Load Capacitance*
- Overtone*
- Example:
10.0MHz HC49
50/50/-40 to 85C/10 FUND

Packing Details

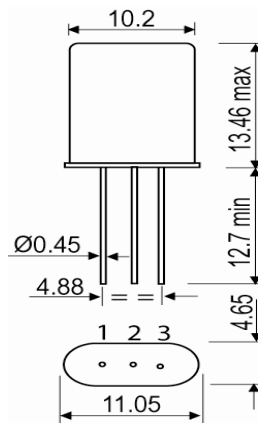
- Pack Style: **Bulk** Loose in bulk pack
Pack Size 100
- Pack Style: **Reel** Tape and reel in accordance with EIA-468-C
Pack Size 1,000
- Alternative packing options available



Outline (mm)



-3L = 3 Lead



- Pin Connections**
- Crystal
 - Case & GND
 - Crystal

Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18
USA: +1 (0)408.273.4530

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

**Electrical Specification - maximum limiting values**

Frequency Range	Frequency Tolerance	Stability		Temperature Range	ESR Max	Vibration Mode
		Min	Max			
1.8432 to <2.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	800Ω	Fundamental
2.0000 to <3.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	600Ω	Fundamental
3.0000 to <4.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	150Ω	Fundamental
4.0000 to <7.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	100Ω	Fundamental
7.0000 to <10.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	50Ω	Fundamental
10.0000 to <36.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm ±50ppm ±100ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	35Ω	Fundamental
21.0000 to <90.0MHz	±5ppm to ±100ppm	±15ppm ±20ppm ±20ppm ±25ppm ±30ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C	40Ω	3RD Overtone

Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18

USA: +1 (0)408.273.4530

Email: info@iqdfrequencyproducts.comWeb: www.iqdfrequencyproducts.com



Electrical Specification - maximum limiting values

Frequency Range	Frequency Tolerance	Stability		Temperature Range	ESR Max	Vibration Mode
		Min	Max			
		±50ppm ±100ppm		-55 to 105°C -55 to 125°C		
60.0000 to <150.0MHz	±5ppm to ±100ppm	±10ppm ±15ppm ±15ppm ±20ppm ±25ppm ±50ppm ±50ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	70Ω	5TH Overtone
85.0000 to <210.0MHz	±5ppm to ±100ppm	±5ppm ±5ppm ±10ppm ±20ppm ±25ppm ±50ppm ±50ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	100Ω	7TH Overtone
110.0000 to <270.0MHz	±5ppm to ±100ppm	±5ppm ±5ppm ±10ppm ±20ppm ±25ppm ±50ppm ±50ppm	±200ppm	0 to 50°C -10 to 60°C -20 to 70°C -30 to 80°C -40 to 85°C -55 to 105°C -55 to 125°C	150Ω	9TH Overtone

This document was correct at the time of printing; please contact your local sales office for the latest version

Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18

USA: +1 (0)408.273.4530

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Control Switches](#) category:

Click to view products by [IQD](#) manufacturer:

Other Similar products are found below :

[80887-99](#) [80932-99](#) [86855-00](#) [88814-30](#) [89721-12](#) [89804-08](#) [EX0011-1](#) [SSN](#) [RL01801](#) [50051857-17](#) [50099156-001-05](#) [51.155R-15200](#)
[50058920-26](#) [KMK-PA](#) [RAL9005](#) [M16](#) [ACCU-SC/L-3000](#) [PORTAPRO](#) [CFPS-73-48M](#) [WEL.PT-O6](#) [WEL.PT-L8](#) [WEL.PT-K7](#) [WEL.PT-](#)
[H7](#) [WEL.PT-E9](#) [WEL.PT-D7](#) [WEL.PT-B7](#) [WEL.PT-AA9](#) [WEL.PT-AA8](#) [WEL.PT-A8](#) [WEL.LT-F](#) [WEL.LT-4](#) [WEL.LT-1LX](#) [WEL.LT-1L](#)
[WEL.ET-BB](#) [WEL.CT5B7](#) [WEL.51361699](#) [RGFRA1903041A1T](#) [PLC-60/75](#) [PLC-30/40](#) [PLC-24/30](#) [PLC-40/55](#) [LOC-MIKSER2](#) [8522808](#)
[CC-100N](#) [V8Y-11Z-Y](#) [V8Y-11Z-R](#) [V8Y-11Z-O](#) [V8Y-11Z-24R](#) [V8Y-11Z-24O](#) [V8Y-11Z-230B](#) [V8Y-11-230W](#) [V8Y-11-230O](#)