



\*1.0MHz HC49-4H height is 4.00 (max)

Scale 1:1

## Features

- Industry standard HC49 footprint
- Fundamental mode available up to 50.0MHz
- Comprehensive stock of standard frequencies
- Low profile for close board stacking
- Centre ground lead available

## Standard Frequencies

Frequencies in MHz			
1.000000*	6.400000	14.745600	24.000140
3.276800	7.372800	15.000000	24.576000
3.579545	7.680000	15.360000	25.175000
3.686400	8.000000	16.000000	28.322000
3.840000	8.064000	16.384000	29.491200
4.000000	8.192000	16.934400	30.000000
4.032000	8.867237	17.734475	32.000000
4.096000	9.000000	18.000000	32.768000
4.194304	9.216000	18.432000	35.251200
4.433619	9.830400	19.000265	36.000000
4.500000	10.000000	19.660800	40.000000
4.915200	10.240000	20.000000	48.000000
5.000000	10.245000	20.275200	50.000000
5.068800	11.059200	21.250000	60.000000
6.000000	12.000000	22.118400	
6.144000	12.288000	22.579200	
6.176000	14.318181	24.000000	

## Specifications

**HC49-4H: 3.5mm maximum height**

**HC49-3H: 2.5mm maximum height**

Parameters	Product		Option Code
	HC49-4H	HC49-3H	
<b>Package:</b> HC49-4H HC49-3H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Frequency range:</b> 1.0MHz 3.2768 ~ 90.0MHz 3.579 ~ 90.0MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Calibration tolerance:</b> ±20ppm ±30ppm ±50ppm Other values (±10ppm ~ ±100ppm)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 3 5 specify
<b>Temperature stability:</b> ±30ppm ±50ppm ±100ppm Other values (±10ppm ~ ±100ppm)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 5 C specify
<b>Operating temperature range:</b> -10 to +60°C -20 to +70°C -30 to +80°C -40 to +85°C Other values	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 2 3 4 specify
<b>Circuit condition:</b> 12pF 16pF 18pF 20pF 30pF Other values	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	B D E F J specify
<b>Oscillation mode:</b> Fundamental 3rd overtone	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	F 3
<b>Equivalent series resistance (max):</b> 3000Ω (1.0MHz) 200Ω (>3.2 ~ 3.5MHz) 150Ω (>3.5 ~ 4.0MHz) 120Ω (>4.0 ~ 4.4MHz) 100Ω (>4.4 ~ 7.0MHz) 70Ω (>7.0 ~ 10.0MHz) 50Ω (>10.0 ~ 50.0MHz, fund) 100Ω (>25.0 ~ 90.0MHz, 3rd OT)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Ageing:</b> ±3ppm max first year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Test drive level:</b> 100µW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Ordering Information

Product name + frequency + specification code

eg: **HC49-4H/351DF 18.4320MHz** 30/50/10/16-F

**HC49-3H/232S3 48.0MHz** 20/30/20/5-3

- ◆ Insulating washers and mounting clips available. See our website for details.
- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Not normally available in small quantities of non-standard frequencies. Please check with us before ordering.