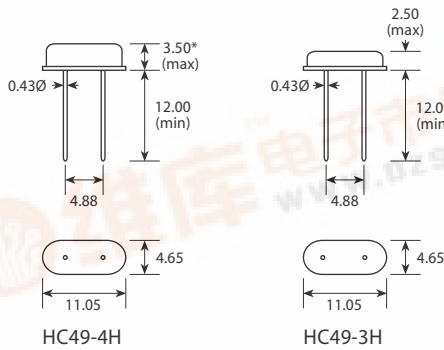
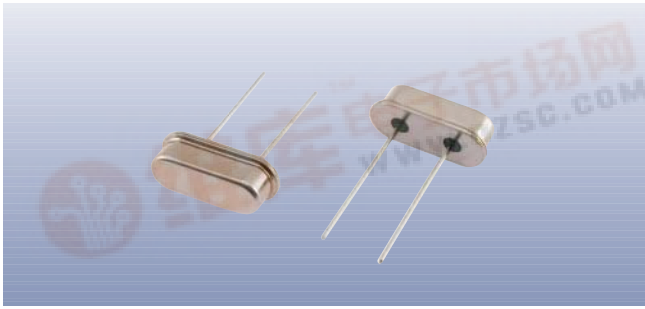


Low Profile Crystal

HC49-4H & HC49-3H



*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	
Package:	HC49-4H HC49-3H		
Frequency range:	1.0MHz 3.2768 ~ 90.0MHz 3.579 ~ 90.0MHz		
Calibration tolerance:	±20ppm ±30ppm ±50ppm Other values (±10ppm ~ ±100ppm)		2 3 5 specify
Temperature stability:	±30ppm ±50ppm ±100ppm Other values (±10ppm ~ ±100ppm)		3 5 C specify
Operating temperature range:	-10 to +60°C -20 to +70°C -30 to +80°C -40 to +85°C Other values		1 2 3 4 specify
Circuit condition:	12pF 16pF 18pF 20pF 30pF Other values		B D E F J specify
Oscillation mode:	Fundamental 3rd overtone		F 3
Equivalent series resistance (max):	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)		
Static capacitance (C ₀):	7pF max		
Ageing:	±3ppm max first year		
Test drive level:	100μW		

■ 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/S-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.

