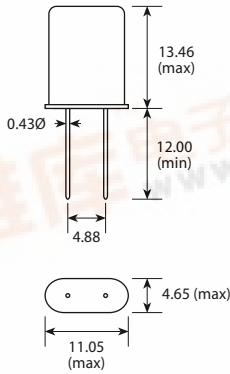
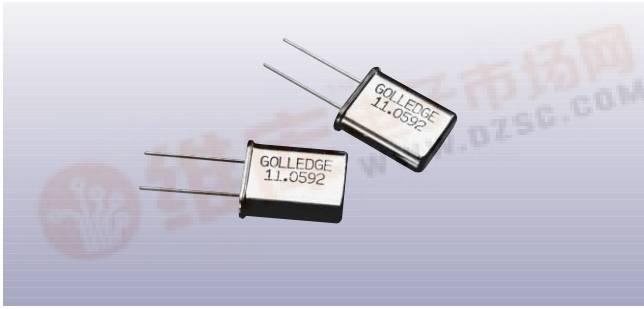


Standard Crystal

HC49



Scale 1:1

Features

- Industry standard HC49 case
- Fundamental mode available up to 40.0MHz
- Comprehensive stock of standard frequencies
- Low cost for volume applications
- Express manufacturing service
- Custom frequencies easily produced
- Tight specifications available
- Wide frequency range available
- Centre ground lead available

Standard Frequencies

Frequencies in MHz			
1.000000	6.000000	11.000000	20.000000
1.843200	6.144000	11.059200	22.118400
2.000000	6.176000	11.289600	24.000000
2.457600	6.400000	12.000000	24.000140
3.000000	6.553600	12.288000	24.576000
3.276800	7.372800	14.000000	30.000000
3.579545	7.680000	14.318180	32.000000
3.686400	8.000000	14.745600	32.768000
4.000000	8.192000	15.000000	36.000000
4.032000	8.867237	15.360000	40.000000
4.096000	9.000000	16.000000	48.000000
4.194304	9.216000	16.384000	50.000000
4.433619	9.830400	16.934400	60.000000
4.915200	10.000000	17.734470	64.000000
5.000000	10.240000	18.000000	
5.068800	10.245000	18.432000	
5.120000	10.700000	19.660800	

Specifications

Parameters	Product	Option Code
	HC49	
Package:	Resistance weld	Standard
Frequency range:	300kHz ~ 225MHz	Standard
Calibration tolerance:	±30ppm ±5ppm ~ ±100ppm	Standard Optional (specify)
Temperature stability:	±50ppm ±5ppm ~ ±100ppm	Standard Optional (specify)
Operating temperature range:	-10 to +60°C 0 to +50°C ~ -55 to +125°C	Standard Optional (specify)
Circuit condition:	8 ~ 50pF or SR	Optional (specify)
Equivalent series resistance (max):	3,000Ω (300 ~ 800kHz) 5,000Ω (800kHz ~ 1.30MHz) 800Ω (1.80 ~ 2.0MHz) 500Ω (>2.0 ~ 2.4MHz) 300Ω (>2.4 ~ 3.0MHz) 150Ω (>3.0 ~ 3.5MHz) 120Ω (>3.5 ~ 4.0MHz) 100Ω (>4.0 ~ 4.4MHz) 80Ω (>4.4 ~ 6.0MHz) 50Ω (>6.0 ~ 9.0MHz) 30Ω (>9.0 ~ 36.0MHz) 40Ω (25.0 ~ 90.0MHz, 3rd OT) 70Ω (60.0 ~ 150MHz, 5th OT) 100Ω (90.0 ~ 225MHz, 7th OT)	Standard
Static capacitance (C ₀):	7pF max	Standard
Ageing:	±3ppm max first year	Standard
Test drive level:	100µW	Standard

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

Ordering Information

Product name + frequency + specification code
eg: **HC49 16.1760MHz 10/20/20/30-F**

♦ Insulating washers and mounting clips available. See our website for details.

