



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
- Custom frequencies available
- Tight specifications available
- Wide frequency range available

Specifications

Parameters	Product	Option Code
	HC49	
Package:	Resistance weld	■
Frequency range:	1.0 ~ 160MHz	■
Calibration tolerance:	±5ppm	<input type="checkbox"/>
	±10ppm	<input type="checkbox"/>
	±20ppm	<input type="checkbox"/>
	±30ppm	■
	±50ppm	<input type="checkbox"/>
	Other values (±3ppm ~ ±100ppm)	<input type="checkbox"/>
Temperature stability:	±5ppm	<input type="checkbox"/>
	±10ppm	<input type="checkbox"/>
	±20ppm	<input type="checkbox"/>
	±30ppm	<input type="checkbox"/>
	±50ppm	■
	±100ppm	<input type="checkbox"/>
Other values (±3ppm ~ ±100ppm)	<input type="checkbox"/>	specify
Operating temperature range:	0 to +50°C	<input type="checkbox"/>
	-10 to +60°C	■
	-20 to +70°C	<input type="checkbox"/>
	-30 to +80°C	<input type="checkbox"/>
	-40 to +85°C	<input type="checkbox"/>
	Other values	<input type="checkbox"/>
Circuit condition:	12pF	<input type="checkbox"/>
	16pF	<input type="checkbox"/>
	18pF	<input type="checkbox"/>
	20pF	<input type="checkbox"/>
	30pF	<input type="checkbox"/>
	Series resonant	<input type="checkbox"/>
	Other values	<input type="checkbox"/>
Oscillation mode:	Fundamental	<input type="checkbox"/>
	3rd overtone	<input type="checkbox"/>
	5th overtone	<input type="checkbox"/>
Equivalent series resistance (max):	3000Ω (1.0MHz)	■
	700Ω (1.8 ~ 2.0MHz)	■
	500Ω (>2.0 ~ 2.4MHz)	■
	300Ω (>2.4 ~ 3.0MHz)	■
	200Ω (>3.0 ~ 3.2MHz)	■
	150Ω (>3.2 ~ 3.7MHz)	■
	100Ω (>3.7 ~ 4.2MHz)	■
	80Ω (>4.2 ~ 6.0MHz)	■
	50Ω (>6.0 ~ 9.0MHz)	■
	30Ω (>9.0 ~ 36.0MHz)	■
	60Ω (24.0 ~ 90.0MHz, 3rd OT)	■
80Ω (80.0 ~ 160MHz, 5th 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 + option codes + frequency
 eg: **HC49/351DF 16.1760MHz** 30/50/10/16-F
HC49/232S3 48.0MHz 20/30/20/S-3

- ◆ Insulating washers and mounting clips available. See our website for details.
- ◆ Centre ground lead available on request.