



## Features

- ▄▄▄▄ Ideal for custom specifications
- ▄▄▄▄ Fundamental mode available up to 40.0MHz
- ▄▄▄▄ Custom frequencies easily produced
- ▄▄▄▄ Tight specifications available
- ▄▄▄▄ Wide frequency range available
- ▄▄▄▄ Low cost for volume applications
- ▄▄▄▄ Express manufacturing service

## Specifications

Parameters	Product	Option Code
	HC49J	
<b>Package:</b> Resistance weld	■	
<b>Frequency range:</b> 1.80 ~ 160MHz	■	
<b>Calibration tolerance:</b>	±5ppm	□
	±10ppm	□
	±20ppm	□
	±30ppm	■
	±50ppm	□
Other values (±3ppm ~ ±100ppm)	□	specify
<b>Temperature stability:</b>	±5ppm	□
	±10ppm	□
	±20ppm	□
	±30ppm	□
	±50ppm	■
	±100ppm	□
Other values (±3ppm ~ ±100ppm)	□	specify
<b>Operating temperature range:</b>	0 to +50°C	□
	-10 to +60°C	■
	-20 to +70°C	□
	-30 to +80°C	□
	-40 to +85°C	□
	Other values	□
<b>Circuit condition:</b>	12pF	□
	16pF	□
	18pF	□
	20pF	□
	30pF	□
	Series resonant	□
	Other values	□
<b>Oscillation mode:</b>	Fundamental	□
	3rd overtone	□
	5th overtone	□
<b>Equivalent series resistance (max):</b>	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 ~ 160MHz, 5th OT)	■
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	■	
<b>Ageing:</b> ±3ppm max first year	■	
<b>Test drive level:</b> 100μW	■	

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

## Ordering Information

Product name + frequency + specification code

eg: **HC49J/351DF 16.1760MHz** 30/50/10/16-F

**HC49J/232S3 48.0MHz** 20/30/20/S-3

- ◆ Available on T&R - 700 pcs per reel.
- ◆ Refer to our website for T&R and soldering details.