



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	
Package: Resistance weld	■	
Frequency range: 1.80 ~ 160MHz	■	
Calibration tolerance:		
±5ppm	□	L
±10ppm	□	1
±20ppm	□	2
±30ppm	■	3
±50ppm	□	5
Other values (±3ppm ~ ±100ppm)	□	specify
Temperature stability:		
±5ppm	□	L
±10ppm	□	1
±20ppm	□	2
±30ppm	□	3
±50ppm	■	5
±100ppm	□	C
Other values (±3ppm ~ ±100ppm)	□	specify
Operating temperature range:		
0 to +50°C	□	0
-10 to +60°C	■	1
-20 to +70°C	□	2
-30 to +80°C	□	3
-40 to +85°C	□	4
Other values	□	specify
Circuit condition:		
12pF	□	B
16pF	□	D
18pF	□	E
20pF	□	F
30pF	□	J
Series resonant	□	S
Other values	□	specify
Oscillation mode:		
Fundamental	□	F
3rd overtone	□	3
5th overtone	□	5
Equivalent series resistance (max):		
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)	■	
Static capacitance (C₀): 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: **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.