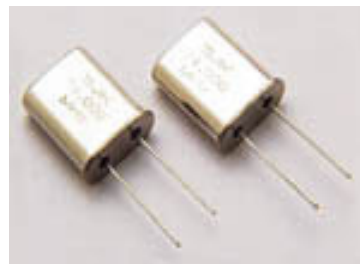


## RESISTANCE WELDED HC-49/U PACKAGE

### ■ FEATURE

- Height 13.46mm
- A resistance weld completely sealed typed.
- The frequency stability is good.the reliability is heigh.
- Copes with high density mounting and is the optimum for mass production



### ■ ELECTRICAL SPECIFICATIONS

Frequency Range	1.843MHz to 150.000MHz
Frequency Tolerance (at 25°C)	±30ppm(Standard),or specify
Frequency Stability Over Operating Temperature Range	±30ppm(Standard),or specify
Operating Temperature Range	-20°C+70°C(Standard),-10°C to +60°C,-40°C to +85°C,or specify
Aging (at 25°C)	±5ppm/year Maximum
Storage Temperature Range	-40°C to +85°C
Shunt Capacitance (Co)	7pf Maximum
Insulation Resistance	500 Megaohms Minimum at 100VDC
Drive Level	100μ Watts Typ.
Load Capacitance (Cl)	Series,16pf,20pf,30pf,or specify

### ■ EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF OPERATION(MODE)

Frequency Range	E.S.R (Ω)	Mode
1.843MHz~1.999MHz	350Max	Fundamental/AT
2.000MHz~2.399MHz	300Max	Fundamental/AT
2.400MHz~2.999MHz	200Max	Fundamental/AT
3.000MHz~3.199MHz	150Max	Fundamental/AT
3.200MHz~3.499MHz	100Max	Fundamental/AT
3.500MHz~3.899MHz	90Max	Fundamental/AT
3.900MHz~4.099MHz	70Max	Fundamental/AT
4.100MHz~5.999MHz	60Max	Fundamental/AT
6.000MHz~6.999MHz	50Max	Fundamental/AT
7.000MHz~9.999MHz	30Max	Fundamental/AT
10.000MHz~12.999MHz	20Max	Fundamental/AT
13.000MHz~30.000MHz	20Max	Fundamental/AT
24.000MHz~29.999MHz	50Max	Third Overtone
30.000MHz~65.000MHz	40Max	Third Overtone
60.000MHz~99.999MHz	90Max	Third Overtone
100.000MHz~150.000MHz	60Max	Fundamental/AT

### ■ FREQUENCY STABILITY US OPERATING TEMPERATURE RANGE

Temperature Range	Frequency Stability					
	+/-10ppm	+/-15ppm	+/-20ppm	+/-25ppm	+/-30ppm	+/-50ppm
-10°C to +60°C	√	√	√	√	√	√
-20°C to +70°C	√	√	√	√	√	√
-40°C to +85°C		√	√	√	√	√

