

## Resistance Welded HC-49/S Surface Mount Package

### ■ FEATURE

- Height 4.0mm or 3.0mm, compact unit for surface mount
- Able to by means of a metal case and completely sealed high solution characteristics
- Copes with high density mounting and is the optimum for mass production



### ■ ELECTRICAL SPECIFICATIONS

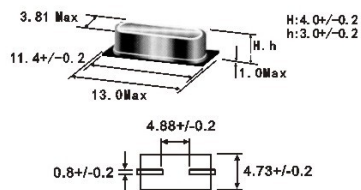
Item	Specifications
Frequency Range	3.579545 to 100.000MHz
Load Capacitance(C <sub>L</sub> )	Series, 16pF, 18pF, 20pF, 30pF, or specify
Frequency Tolerance(at 25 ± 2°C)	± 30ppm at 25 ± 2°C(standard) or specify
Operating Temperature Range	-10°C—+60°C (standard), -20°C—+70°C, -40°C—+85°C, or Specify
Frequency Stability Over Operating Temperature range	± 30ppm(Typical), or specify
Storage Temperature Range	-40°C—+ 85°C
Shunt Capacitance (C <sub>0</sub> )	7pF Max
Drive Level	100 μ W Typical
Insulation resistance	More than 500MΩ AT DC100V
Aging(at 25° C)	± 5ppm/year maximum

\*Please consult our sales representative for other specifications.

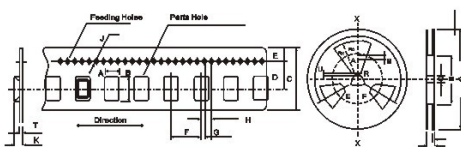
### ■ EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency Range	ESR(Ω)	Mode	Frequency Range	ESR(Ω)	Mode
3.579545MHz~5.999MHz	150Max	Fundamental/AT	24.000MHz~40.320MHz	30Max	Fundamental/BT
6.000MHz~7.999MHz	60Max	Fundamental/AT	24.000MHz~29.999MHz	100Max	Third Overtone/AT
8.000MHz~15.999MHz	50Max	Fundamental/AT	30.000MHz~49.999MHz	80Max	Third Overtone/AT
16.000MHz~30.000MHz	30Max	Fundamental/AT	50.000MHz~100.000MHz	60Max	Third Overtone/AT

### DIMENSION(mm)



### TAPE SPECIFICATION(mm)



Description		Code	Dimensions	
Flanges	Diameter	A	φ 330+/-2.0	
	Thickness	t	2.4+/-0.2	
	Width between Flanges	W	+2.0 24.4-0	
Flanges	Outline Diameter	B	φ 100+/-2.0	
	Center Core slit	Width	F	2.3+/-1.0
		Depth	V	6.0+/-1.0
	Spindle Diameter	Position	Q	120+/-3.0°
			C	φ 13.0+/-0.5
	Key Seats	Width	E	2.5
		Depth	U	5.0+/-0.5
Position		Q	120° +/-3.0°	
Fenestrate	Outline Radius	R <sub>o</sub>	R90+/-1.0	
	Inline Radius	R <sub>i</sub>	R40+/-1.0	
	Rounded Corners	R <sub>c</sub>	+2.0 R5-0	
	Open Angle	R	40° +/-2°	

Code	Dimension	Code	Dimension	Code	Dimension
A	5.0+/-0.1	E	1.75+/-0.1	J	φ 1.5(+0.1, -0)
B	15.0+/-0.2	F	8.0+/-0.1/ 12.0+/-0.1	K	5.0+/-0.1
C	24.0+/-0.3	G	2.0+/-0.1	T	5.0+/-0.1
D	11.05+/-0.1	H	4.0+/-0.1		