

**P/N: WTL9M12673**

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



## FEATURE

- Height 4.0mm, 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

Nominal frequency	6.000MHz
Oscillation mode	Fundamental
Operating temperature range	-40°C--+85°C
Storage temperature range	-40--+85°C
Frequency tolerance	±30PPM
Freq. Temp characteristics	±50PPM
Load capacitance	18pF
Parallel capacitance(Co)	7PF Max
Drive level	100 μW Typical
Insulation resistance	More than 500M Ω AT DC100V
Aging(at 25°C)	±5ppm/year Max

## EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

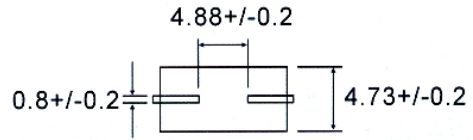
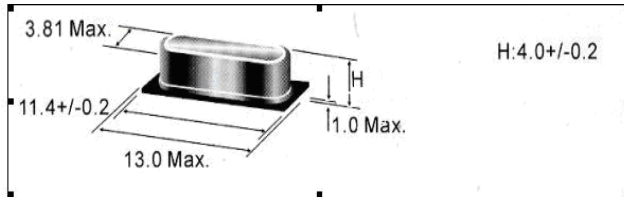
Frequency Range	E.S.R (Ω)	Mode	Frequency Range	E.S.R (Ω)	Mode
3.000MHz~5.999MHz	150Max	Fundamental/AT	24.000MHz~40.320MHz	30Max	Fundamental/ BT
6.000MHz~7.999MHz	60Max	Fundamental/AT	24.000MHz~29.999MHz	100Ma x	Third Overtone /AT
8.000MHz~15.999M Hz	50Max	Fundamental/AT	30.000MHz~49.999MHz	80Max	Third Overtone /AT
16.000MHz~30.000M Hz	30Max	Fundamental/AT	50.000MHz~100.000MHz	60Max	Third Overtone /AT

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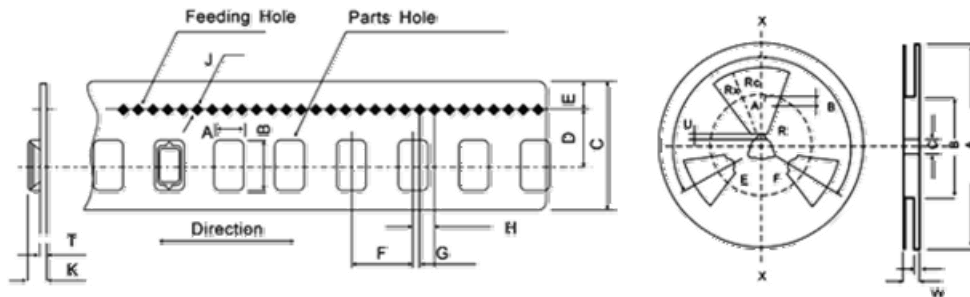
## Resistance Welded HC-49/S Surface Mount Package



### Dimension



### Tape & Reel



Description		Code	Dimensions	
Flanges	Diameter	A	$\phi 330 \pm 2.0$	
	Thickness	t	$2.4 \pm 0.2$	
	WidthbetweenFlanges	W	$+2.0$ $24.4-0$	
Flanges	OutlineDiameter	B	$\phi 100 \pm 2.0$	
	CenterCoreslit	Width	F	$2.3 \pm 1.0$
		Depth	V	$6.0 \pm 1.0$
		Position	Q	$120^\circ \pm 3.0^\circ$
	SpindleDiameter	C	$\phi 13.0 \pm 0.5$	
	KeySeats	Width	E	2.5
		Depth	U	$5.0 \pm 0.5$
Position		Q	$120^\circ \pm 3^\circ$	
Fenestrate	OutlineRadius	Ro	$R90 \pm 1.0$	
	InlineRadius	Ri	$R40 \pm 1.0$	
	RoundedComers	Rc	$+2.0$ $R5-0$	
		OpenAngle	R	$40^\circ \pm 2^\circ$

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