Series WX7

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

Nominal frequency	3.000 to 100.000MHz
Oscillation mode	See below table
Operating temperature range	-10℃--+60℃ (standard), -20℃--+70℃, -40℃--+85℃,or Specify
Storage temperature range	-40℃--+85℃
Frequency tolerance	±30PPM at 25±2℃ (standard) or specify
Freq. Temp characteristics	±30PPM (standard) or specify
Load capacitance	series,16pF, 18pF, 20pF, 30pF, or specify
Equivalent series resistance	See below table
Parallel capacitance(Co)	7PF Max
Drive level	100 μW Typical
Insulation resistance	More than 500MΩ AT DC100V

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	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

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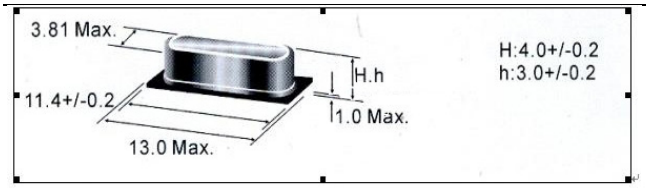
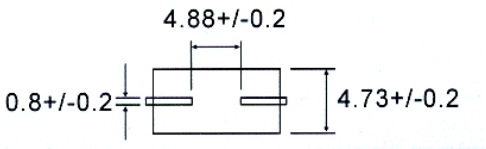
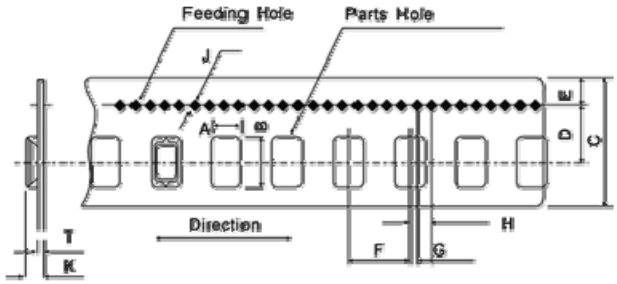
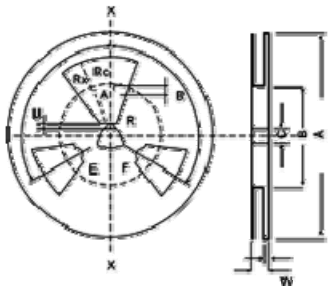




Tape & Reel





Description			Code	Dimenstions
Flanges	Diameter		A	ϕ 330+/-2.0
	Thickness		t	2.4+/-0.2
	WidthbetweenFlanges		W	+2.0 24.4-0
Flanges	OutlineDiameter		B	ϕ 100+/-2.0
	CenterCoreslit	Width	F	2.3+/-1.0
		Depth	V	6.0+/-1.0
		Position	Q	120°+/-3.0°
	SpindleDiameter		C	ϕ 13.0+/-0.5
	KeySeats	Width	E	2.5
		Depth	U	5.0+/-0.5
		Position	Q	120°+/-3°
Fenestrate	OutlineRadius		Ro	R90+/-1.0
	InlineRadius		Ri	R40+/-1.0
	RoundedComers		Rc	+2.0 R5-0
	OpenAngle		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		