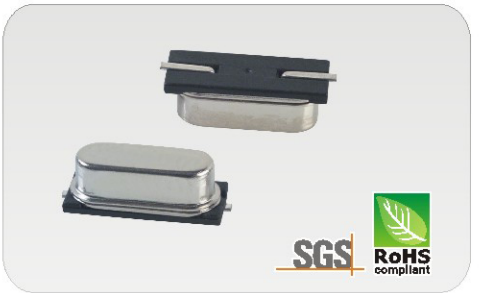
QUARTZ CRYSTAL,SERIES WX7

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

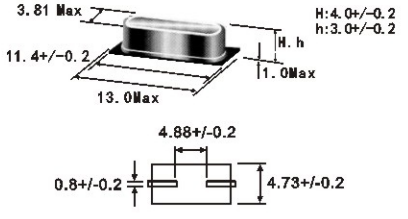
Item	Specifications
Frequency Range	3.579545 to 100.000MHz
Load Capacitance(C_L)	Series,16pF, 18pF, 20pF, 30pF, or specify
Frequency Tolerance(at 25 ±2℃)	±30ppm at 25±2℃(standard) or specify
Operating Temperature Range	–10℃–+60℃ (standard), –20℃–+70℃, –40℃–+85℃,or Specify
Frequency Stability Over Operating Temperature range	±30ppm(Typical), or specify
Storage Temperature Range	–40℃–+ 85℃
Shunt Capacitance (C_0)	7pF Max
Drive Level	100μW 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

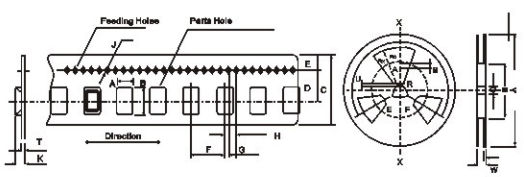
Frequency Range	ESR(Ω)	Mode	Frequency Range	ESR(Ω)	Mode
3.579545MHz~5.999MHz	150Max	Fundamental/AT	24.000MHz~40.320MHz	30Max	Fundamental/BT
6.000MHz~7.999MHz	60Max	Fundamental/AT	24.000MHz~29.999MHz	100Max	Third Overtone/AT
8.000MHz~15.999MHz	50Max	Fundamental/AT	30.000MHz~49.999MHz	80Max	Third Overtone/AT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

DIMENSION(mm)



Description			Code	Dimenetions
Flanges	Diameter		A	ϕ330+/–2.0
	Thickness		t	2.4+/–0.2
	Width between Flanges		W	+2.0 24.4–0
Flanges	Outline Diameter		B	ϕ100+/–2.0
	Center Coresilt	Width	F	2.3+/–1.0
		Depth	V	6.0+/–1.0
		Position	Q	120o+/–3.0°
	Spindle Diameter		C	ϕ13.0+/–0.5
	Key Seats	Width	E	2.5
		Depth	U	5.0+/–0.5
		Position	Q	120° +/–3.0°
Fenestrate	Outline Radius		Ro	R90+/–1.0
	Inline Radius		Ri	R40+/–1.0
	Rounded Corners		Rc	+2.0 R5–0
	Open Angle		R	40° +/–2°

TAPE SPECIFICATION(mm)



Code	Dimension	Code	Dimension	Code	Dimension
A	5.0+/–0.1	E	1.75+/–0.1	J	ϕ1.5(+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		