Quartz Crystal

Resistance Welded HC-49/S Surface Mount Package

Approved by:
Checked by:
Issued by:

SPECIFICATION

P/N: 6C06000MAZ3250A2

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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	6.000MHz
Oscillation mode	Fundamental
Operating temperature range	-20℃--+70℃
Storage temperature range	-40℃--+85℃
Frequency tolerance	±30PPM
Freq. Temp characteristics	±50PPM
Load capacitance	10 pF
Equivalent series resistance	70ΩMax
Parallel capacitance (Co)	7PF Max
Drive level	100 μW
Insulation resistance	More than 500MΩ AT DC100V

M Mechanical characteristics

Resistance to shock:	±3PPM Max ±3Ω Max, naturally drop it 3 times on a hard wood plate from 100cm height
Resistance to vibration:	±3PPM Max ±3Ω Max

Reliability

Aging	±3PPM Max/Year
Air tightness	
(1) Gross leak	should be immerged in hot water(90±5℃) for 5 minutes
(2) Fine leak	should be less than $5x10^{-8}$ atmcc/sec by helium leak detector
Low drive characteristics	Measured Δ1,C1,3 point at 1.0,,10,100μW

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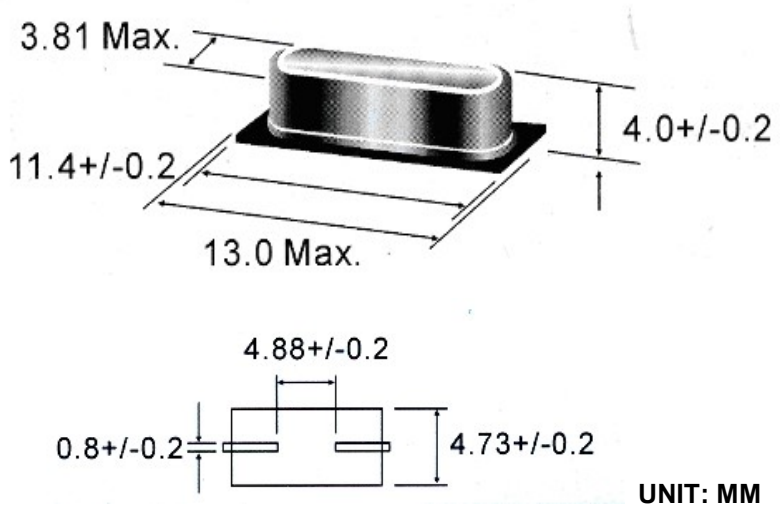
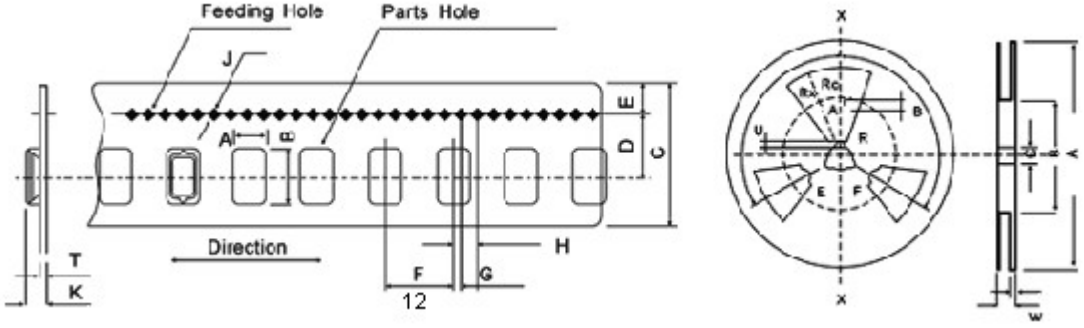
Dimension



UNIT: MM

Tape & Reel



Description			Code	Dimenstions
Flanges	Diameter		A	ϕ 330+/-2.0
	Thickness		t	2.4+/-0.2
	Widthbetween Flanges		W	+2.0 24.4-0
Flanges	Outline Diameter		B	ϕ 100+/-2.0
	Center Coreslit	Width	F	2.3+/-1.0
		Depth	V	6.0+/-1.0
		Position	Q	120°+/-3.0°
	Spindle Diameter		C	ϕ 13.0+/-0.5
	Key Seats	Width	E	2.5
		Depth	U	5.0+/-0.5
		Position	Q	120°+/-3°
Fenestrate	Outline Radius		Ro	R90+/-1.0
	Inline Radius		Ri	R40+/-1.0
	Rounded Comers		Rc	+2.0 R5-0
	Open Angle		R	40°+/-2°