



Approved by:

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SPECIFICATION

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FEATURE

- Standard height 3.5mm, the part is compact at about one-fourth of the HC-49/U package
- A resistance weld completely sealed type
- Good stability and high reliability
- Copes with high density mounting and is the optimum for mass production

ELECTRICAL SPECIFICATIONS

Nominal frequency	36.000MHz
Oscillation mode	Fundamental
Operating temperature range	-40℃--+85℃
Storage temperature range	-55℃--+105℃
Frequency tolerance	±20PPM
Freq. Temp characteristics	±30PPM
Load capacitance	20 pF
Equivalent series resistance	30 Ω max
Parallel capacitance (Co)	7PF Max
Drive level	100 μW
Insulation resistance	More than 500M Ω AT DC100V

Mechanical characteristics

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

Reliability

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

Quartz Crystal

Resistance Welded HC-49/S Low Profile Package



Dimension

