

Quartz Crystal

Resistance Welded HC-49/S Low Profile Package



SPECIFICATION

P/N: KSE-6BxxxxxMBZ243ZA3

(HC49S models)

xxxxx MHz - frequency, MHz; e.g. 8.000 MHz, 12.000 MHz

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FEATURE

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

ELECTRICAL SPECIFICATIONS

Nominal frequency	1MHz- 100.000MHz
Oscillation mode	Fundamental
Operating temperature range	-40°C---+85°C
Storage temperature range	-40°C---+85°C
Frequency tolerance	$\pm 20\text{ppm}$ at $25 \pm 2^\circ\text{C}$
Freq. Temp characteristics	$\pm 30\text{ppm}$ -40°C---+85°C
Load capacitance	20pF
Equivalent series resistance	50 Ω max
Parallel capacitance(Co)	7PF Max
Drive level	100 μW
Insulation resistance	More than 500M Ω AT DC100V

Mechanical characteristics

Resistance to shock:	$\pm 3\text{ppm}$ Max $\pm 3 \Omega$ Max, Naturally drop it 3 times on a hard wood plate from 100cm height
Resistance to vibration:	$\pm 3\text{ppm}$ Max $\pm 3 \Omega$ Max

Reliability

Aging	$\pm 3\text{ppm}$ Max/Year
Air tightness	
(1) Gross leak	should be immersed in hot water($90 \pm 5^\circ\text{C}$) for 5 minutes
(2) Fine leak	should be less than 5×10^{-8} atmcc/sec by helium leak detector
Low drive characteristics	Measured $\Delta 1, \text{C1}, 3$ point at 1.0,,10,100 μW



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Dimension

