

Quartz Crystal

Resistance Welded HC49S Low Profile Package



SPECIFICATION

HC49S - xxxxxMHz - 16pF

HC49S - xxxxxMHz - 20pF

xxxxx MHz - frequency, MHz;
e.g. 4.000 MHz, 11.05920 MHz, 25.000 MHz etc.

The design, manufacturing process, and specifications of this device are subject to change without notice.

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FEATURE

- Standard height 3.5mm, the part is compact
- 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	1MHz- 100.000MHz
Oscillation mode	Fundamental
Operating temperature range	-40°C--+85°C
Storage temperature range	-40°C--+85°C
Frequency tolerance	± 20ppm at 25±2°C
Freq. Temp characteristics	± 30ppm -40°C--+85°C
Load capacitance	16pF
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:	± 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°C) for 5 minutes
(2) Fine leak	should be less than 5 × 10 ⁻⁸ atmcc/sec by helium leak detector
Low drive characteristics	Measured Δ 1,C1,3 point at 1.0,,10,100μW

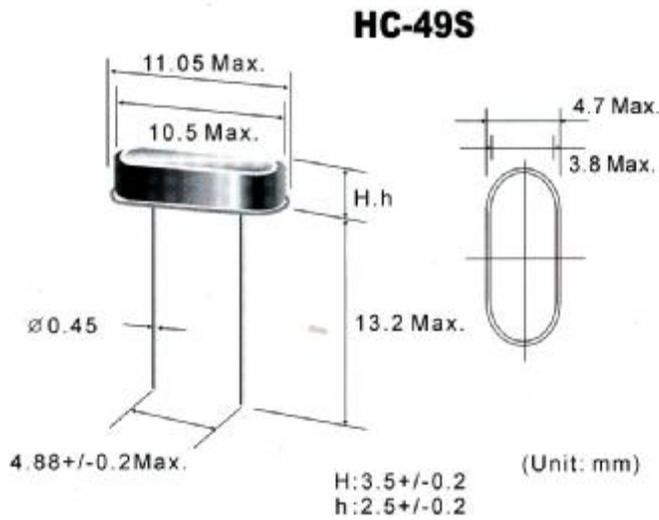
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Dimension



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