

HC49U Series

FEATURE

Resistance weld seal.

A resistance weld completely sealed type.

Low cost.

Versatile.

Pb-free and RoHS/Green compliant.

APPLICATIONS

Ideally suited designed for Set-Top Box/Multimedia,clock/VCXO multiplier,network adapter cards.

Electrical Specifications

Package	HC-49U
Frequency Range	1.84320 to 100 MHz
Frequency Tolerance(at25°C)	±10ppm to ±30ppm
Frequency Drift	±10ppm to ±30ppm (See Notes)
Operating Temperature Range	-20 °C to +70 °C /-40 °C to +85 °C
Storage Temperature Range	-40 °C to +85 °C/-55 °C to +125 °C
Aging(at 25 °C)	±5ppm/year Maximum
Shunt Capacitance(C0)	7pF maximum
Drivel Level	100uW Typical
Insulaton Resistance(Rs)	500 Megaohms Minimum at D.C100V
Load Capacitance(CL)	Suggested by customer

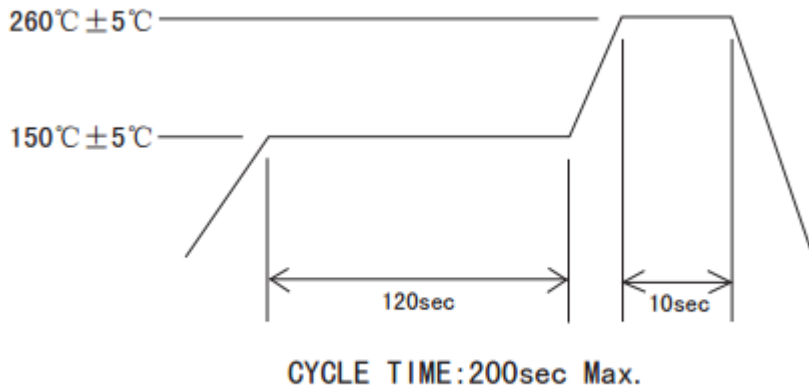
Notes: ±10, ±20, ±30ppm (-20°C to +70°C)

±20, ±30, ±50ppm (-40°C to +85°C) or depends on customer

EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency Range	E.S.R (Ω)	Mode	Frequency Range	E.S.R (Ω)	Mode
1.843MHz~1.999MHz	350Max	Fundamental/AT	7.000MHz~9.999MHz	30Max	Fundamental/AT
2.000MHz~2.399MHz	300Max	Fundamental/AT	10.000MHz~12.999MHz	20Max	Fundamental/AT
2.400MHz~2.999MHz	200Max	Fundamental/AT	13.000MHz~30.000MHz	20Max	Fundamental/AT
3.000MHz~3.199MHz	150Max	Fundamental/AT	24.000MHz~29.999MHz	50Max	Third Overtone/AT
3.200MHz~3.499MHz	100Max	Fundamental/AT	30.000MHz~65.000MHz	40Max	Third Overtone/AT
3.500MHz~3.899MHz	90Max	Fundamental/AT	60.000MHz~99.999MHz	90Max	Third /Fifth Overtone/AT
3.900MHz~4.099MHz	70Max	Fundamental/AT	90.000MHz~120.000MHz	90Max	Fifth overtone /AT
4.100MHz~5.999MHz	60Max	Fundamental/AT	120.000MHz~150.000MHz	90Max	Seventh overtone /AT
6.000MHz~6.999MHz	50Max	Fundamental/AT			

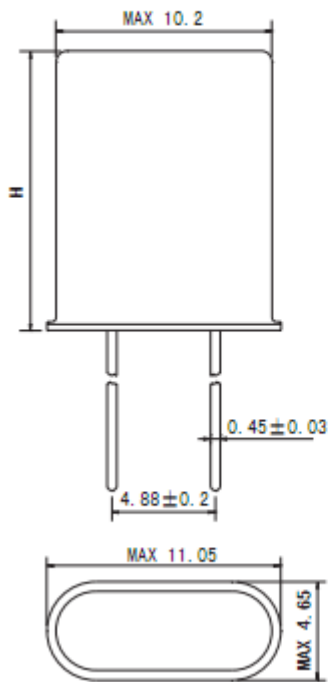
Reflow Condition



Mechanical Dimensions

U: TWO LEADS

UNIT:mm



UNIT:mm

H:U=13.2mm MAX
U2=10.35mm MAX

L:13.2mm or 20.0mm Typical
(For taping, only 20.0mm suitable)