Quartz Crystal Unit Series

KLS14-HC-49U Quartz Crystal Unit Series

Features

Resistance welded type crystal units.
High frequency stability and reliability.
A great number of standard frequencies and wide frequency range.
Higher frequency pullability and lower equivalent series resistance.
Lower cost and highly mass production capacity.
The best choice of TV, STB, LCDM, and Cable Modem.
RoHS Compliant / Pb Free.

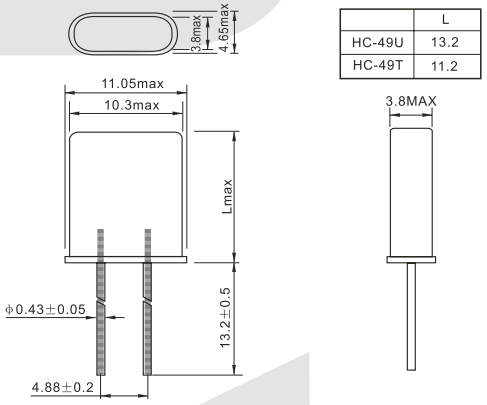
ELECTRICAL SPECIFICATIONS

Nominal frequency: HC-49U: 1.8432MHz~125.000MHz
HC-49T: 8.000MHz~200.00MHz
Operating temperature range: Typical: -20ºC~+70ºC
Optional: -10ºC~+60ºC,
-40ºC~+85ºC, or specify
Storage temperature range: -40ºC~+85ºC
Frequency tolerance: Typical: ±30ppm at 25ºC
Optional: ±10~±50ppm at 25ºC
Temperture stability: Typical: ±30ppm over -20ºC~70ºC, or specify
Load capacitance: 16pF, 18pF, 20pF, 30pF, series, or specify
Parallel capacitance: 7pF Max
Drive level: 100 μW
Insulation resistance: More than 500MΩ at DC100V
Oscillation mode: See below table
Equivalent series resistance: See below table
Aging:±5ppm at 25ºC per year

EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency Range	E.S.R(Ω)	Mode
1.843MHz~1.999MHz	500	Fundamental
2.000MHz~2.456MHz	450	Fundamental
2.457MHz~2.999MHz	350	Fundamental
3.000MHz~3.999MHz	90	Fundamental
4.000MHz~4.999MHz	70	Fundamental
7.000MHz~7.999MHz	50	Fundamental
8.000MHz~12.999MHz	30	Fundamental
13.999MHz~49.999MHz	25	Fundamental
24.000MHz~49.999MHz	40	Fundamental
50.000MHz~124.999MHz	100	Third Overtone
125.000MHz~149.000MHz	90	Third Overtone
150.000MHz~200.000MHz	150	Seveth Overtone

Units: mm



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HC-49U	13.2
HC-49T	11.2

ORDER INFORMATION

KLS14-HC-49U-XXXX - XX - XX-XX

Type:HC-49U
HC-49T
Frequency:e.g.
4.000=4.000MHz
Load Capacitance:e.g.
20=20pF
Operating Temperature Range:A:-10ºC~+60ºC
B:-20ºC~+70ºC
C:-40ºC~+85ºC
Frequency Tolerance: e.g.
30=±30ppm