

HC-49U/S-3PIN

3 Pin Dip Crystal 11.4x4.8 mm



Package Height 3.5 mm max, 2.5~3.5 mm available
Wave Soldering Temperature: 265°C max
Highly stable and reliable crystal unit with a metallic package
3 Pin with ground pin

PARAMETERS	SPECIFICATION
Frequency Range	3.2~100MHz
Operation Mode	(3.2-40MHz) Fundamental (27-100MHz) 3rd/5rd Overtone
Loading Capacitance	20pF Std. 8pF~33pF available
Drive Level	10μW (300μW Max)
Frequency Tolerance	±10ppm...±20ppm (at 25°C)
Equivalent Resistance	See Below
Frequency Stability	±2.5ppm...±50ppm
Operating Temp. Range	0...+50°C to -40...+85°C
Storage Temp. Range	-55...+125°C

FREQUENCY STABILITY VS. TEMPERATURE

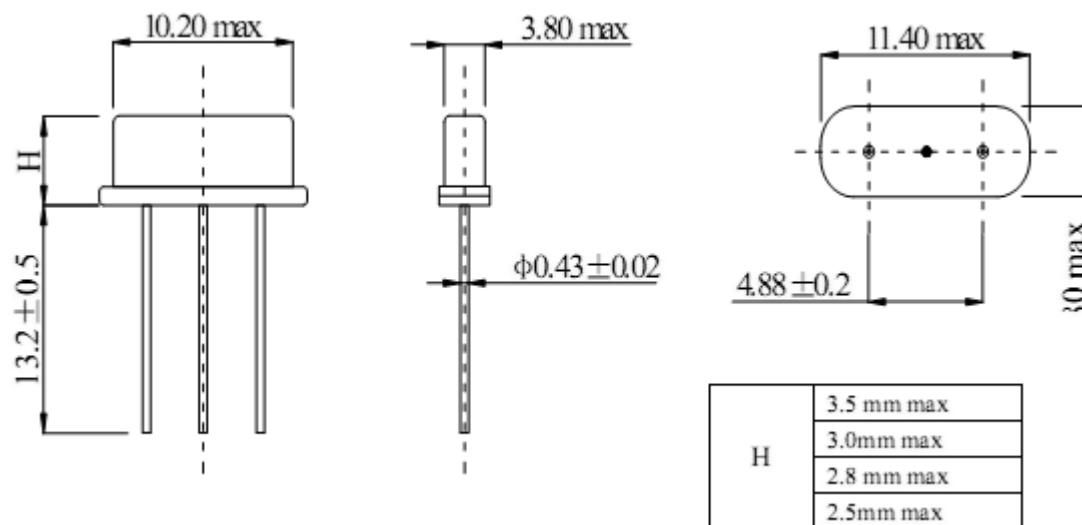
Operation Temperature Range	Frequency Stability					
	±2.5ppm	±5ppm	±10ppm	±20ppm	±30ppm	±50ppm
0...+50°C	○	○	○	●	○	○

-10...+60°C		○	○	●	○	○
-20...+70°C			○	○	●	○
-40...+85°C				○	○	●

● standart; ○ available

ESR (SERIES RESISTANCE RS)

<i>Frequency</i>	<i>Vibration Mode</i>	<i>ESR</i>
3.2-3.999MHz	AT CUT/FUND.	150Ω (MAX)
4.000-4.999MHz	AT CUT/FUND.	120Ω (MAX)
4.500-5.999MHz	AT CUT/FUND.	100Ω (MAX)
6.000-7.999MHz	AT CUT/FUND.	80Ω (MAX)
8.000-9.999MHz	AT CUT/FUND.	60Ω (MAX)
10.000-11.999MHz	AT CUT/FUND.	50Ω (MAX)
12.000-13.999MHz	AT CUT/FUND.	40Ω (MAX)
14.000-40.000MHz	AT CUT/FUND.	30Ω (MAX)
27.000-100MHz	AT 3rd /OT	100Ω (MAX)



REFLOW SOLDERING PROFILE

