General Specification

HOLDER TYPE	HC 49 / S ; SMU
Vibration Mode	Fundamental 3rd Overtone
Nominal Frequency Range	3.2768 MHz ~ 30 Mhz 30 MHz ~ 70 MHz
Frequency Tolerance (at 25°C ±2°C)	± 15 ppm to ± 100 ppm
Frequency Stability (Reference to 25° C)	± 15 ppm to ± 100 ppm
Operating Temperature Range	From 0ºC ~ + 50ºC to -20ºC ~ + 80ºC
Storange Temperature Range	-40ºC to +90ºC
ESR	See figure
Load Capacitance	12 pf to 32 pf or series
Shunt Capacitance	7 pf max
Drive Level	100 m W max
Aging per Year	± 5 ppm max
Crystal Cut	AT-CUT

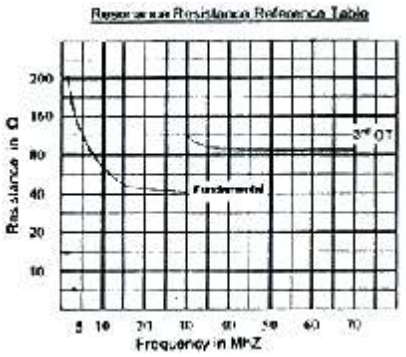
* Remarks :

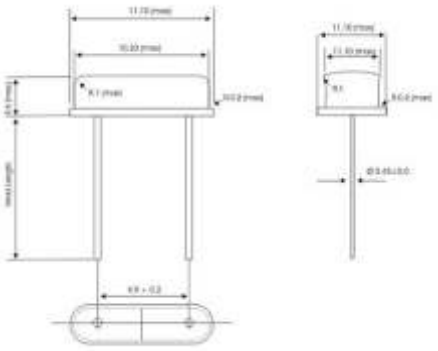
1. HC-49/S has the same size of base and lead as of the HC-49/U Crystal Unit, but with different height. There are two types of HC-49/S

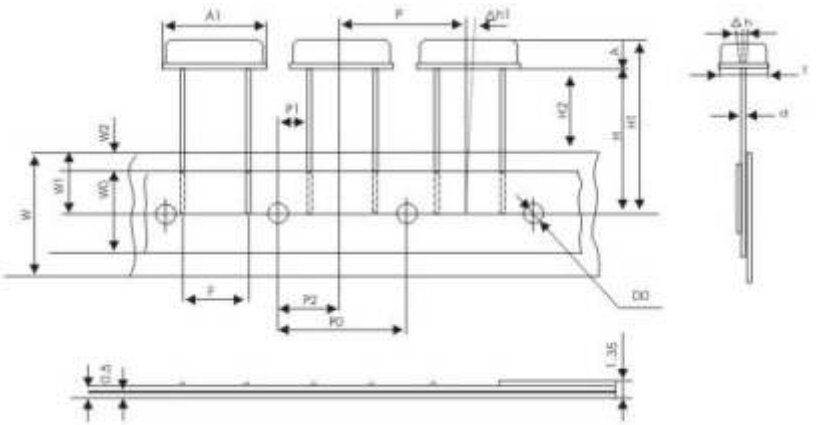
Crystal Units as follows :
- Type 49/SS which is also called 49/3H with height of 2.3 mm max
- Type 49/S3 which is also called 49/4H with height of 3.6 mm max

2. Spesial Spesification other than above is on request.

Dimensions







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