

ISO 9001:2000



X'tal HC49SMD package:

FEATURE

- Excellent frequency stability, and good reliability.
- Copes with high density mounting and is the optimum for mass production.
- Multiple standard frequencies.

ELECTRICAL SPECIFICATIONS

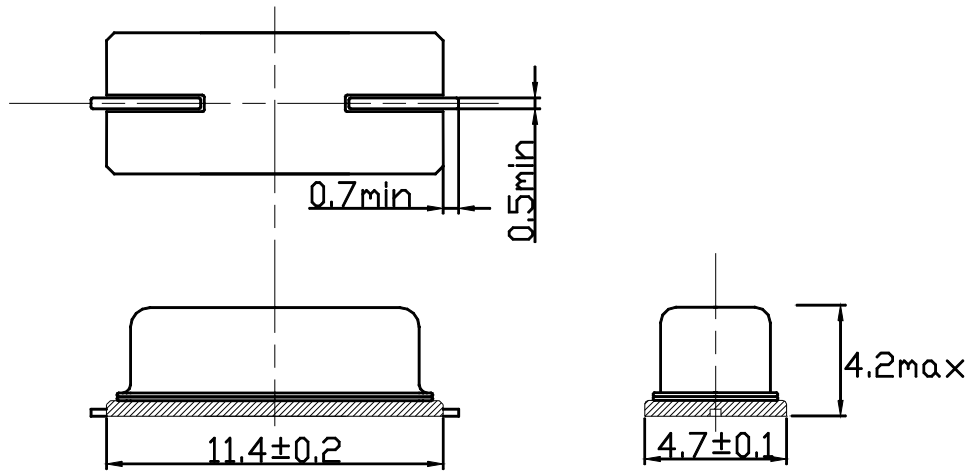
Frequency Range	3.000MHz~75.000MHz
Oscillation Mode	See Table 1
Frequency Tolerance(at 25 °C)	±10ppm~ ±100ppm, ±30ppm standard.
Frequency Stability Over Temperature	±50ppm at -10 ~+60 °C or specify
Operable Temperature Range	-10 ~+60 °C, -20 ~+70 °C, -40 ~+85 °C
Storage Temperature Range	-55 ~+125 °C
Shunt Capacitance	7pF max
Drive Level	10 μW~1000 μW
Load Capacitance	Series, 8pF~33pF, 20pF standard
Equivalent Series Resistance	See Table 1
Aging	±3ppm

Remarks: Specifications subject to change without prior notice. Please confirm with our sales department.

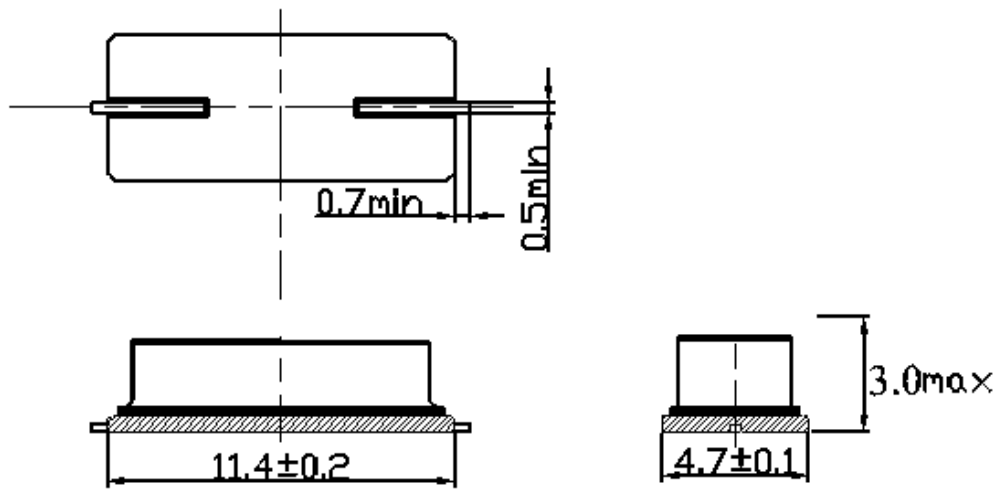
Table 1 Frequency and Equivalent Series Resistance

Frequency Range	RR(ohm)	Oscillation Mode
3.000MHz~3.500MHz	300 max	Fundamental/AT cut
3.500MHz~3.800MHz	150 max	Fundamental/AT cut
3.800MHz~4.100MHz	120 max	Fundamental/AT cut
4.100MHz~5.000MHz	100 max	Fundamental/AT cut
5.000MHz~6.000MHz	80 max	Fundamental/AT cut
6.000MHz~8.000MHz	70 max	Fundamental/AT cut
8.000MHz~10.000MHz	60 max	Fundamental/AT cut
10.000MHz~12.000MHz	50 max	Fundamental/AT cut
12.000MHz~28.000MHz	40 max	Fundamental/AT cut
28.000MHz~33.500MHz	50 max	Fundamental/AT cut
26.000MHz~40.000MHz	100 max	Third Overtone/ AT cut
20.000MHz~40.000MHz	40 max	BT cut

Dimensions(Unit:mm)



HC-49SM



HC-49SM1