

# Metal Can Type Crystals

## HC-49S SMD AT Series

### Features

- Surface-mount type crystal units.
- Wide operating temperature range.
- Superior and reliable performance in harsh environment.
- RoHS Compliant / Pb Free.



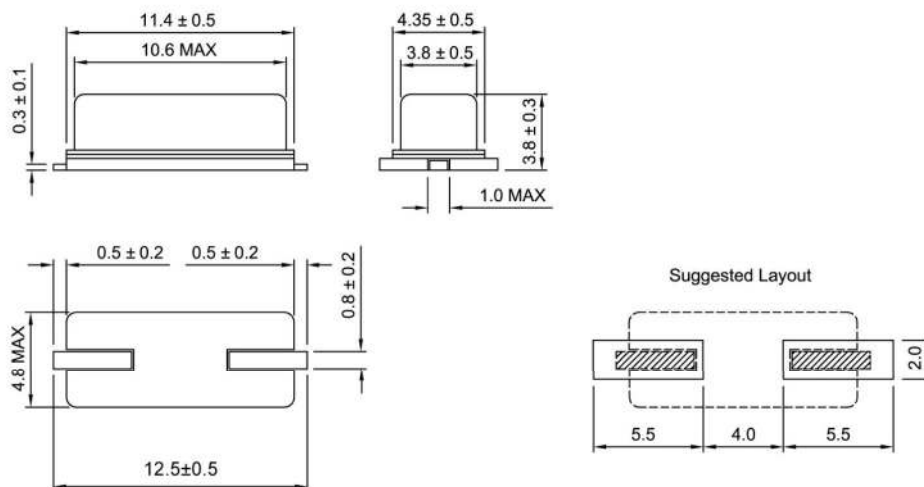
### Electrical Specifications

Item / Type	AT
Frequency Range	4 ~ 65 MHz
Overtone	Fundamental
Frequency Tolerance (at 25 °C)	± 30 ppm
Frequency Stability Over Operating Temperature Range	± 30 ppm Max.
Operating Temperature Range	- 40 ~ +85 °C
Drive Level	10 μW (typical) ; 300 μW (Max.)
Load Capacitance	12 pF, or specify
Storage Temperature Range	- 40 ~ +85 °C
Reliability Standard	AEC-Q200 VER.C

### Equivalent Series Resistance(ESR)

Fundamental	
4 ~ 6 MHz	150 Ω Max.
6 ~ 8 MHz	120 Ω Max.
8 ~ 10 MHz	80 Ω Max.
10 ~ 12 MHz	70 Ω Max.
12 ~ 16 MHz	60 Ω Max.
16 ~ 65 MHz	50 Ω Max.

### Dimensions



Units: mm