

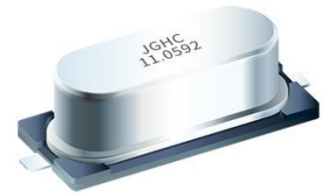
Metal Can Type Crystals

HC-49S SMD 9AT Series



Features

- External dimensions: 11.4 x 4.8 x 3.8mm.
- Frequency range: 3.2MHz~64MHz.
- Surface mount type crystal units.
- A great number of standard frequencies.
- High frequency pullability and low equivalent series resistance.
- Highly mass production capability.
- Applications: PC, STB, LCDM and Cable Modem.



Crystals specifications

ITEMS/TYPE	9AT
Frequency Range	3.2~64 MHz
Frequency Tolerance (at 25 °C)	± 10 ppm, ± 20 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 10 ppm, ± 20 ppm, or specify
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance (C0)	7 pF Max
Drive Level	1~ 500μW (50μW typical)
Load Capacitance	12pF, 20pF, or specify
Aging (at 25°C)	± 3 ppm / year Max.
Storage Temperature Range	-40~+ 85°C
Packing Unit	1,000pcs/Reel

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
3.2~3.686MHz	200 Ω Max	27~30MHz	100 Ω Max
3.686~5MHz	150 Ω Max	30~64MHz	80 Ω Max
5~10MHz	80 Ω Max		
10~14MHz	40 Ω Max		
14~30MHz	30 Ω Max		

Dimensions and patterns(unit:mm)

