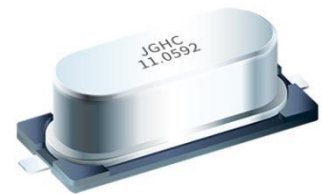


Metal Can Type DIP Crystals HC-49S SMD 9AT Series



Features

- External dimensions: 11.4 x 4.8 x 3.8mm.
- Frequency range: 3.2MHz ~ 64MHz.
- Wide operating temperature range.
- Applications: Automobile audio, Smart automobile keys.
- RoHS Compliant / Pb Free.



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, or specify
Reliability Standard	AEC-Q200
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	150Ω Max	30~50MHz	80Ω Max.
5~10MHz	80 Ω Max	50~90MHz	60 Ω Max.
10~14MHz	40 Ω Max		
14~30MHz	30Ω Max		

Dimensions and patterns(unit:mm)

