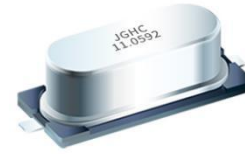


Metal Can Type SMD Crystal HC-49S SMD MS7 Series



Features

- External dimensions: 7.0x4.1x2.0mm.
- Surface mount type crystal units.
- Highly mass production capability.
- Application: bluetooth audio.
- ROHS Compliant / Pb Free.



Crystals specifications

ITEMS/TYPE	MS7
Frequency Range	6~54MHz
Load Capacitance	20pF, or specify
Frequency Tolerance (at 25 °C)	± 10 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 10 ppm, or specify
Operating Temperature Range	-40 ~ +85°C, or specify
Shunt Capacitance (C0)	5 pF Max.
Drive Level	10μW (200μW Max.)
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40~+85°C
Insulation Resistance	500MΩ min./DC100V

Equivalent Series Resistance(ESR)

Frequency Range	Mode	ESR.	Frequency Range	Mode	ESR.
6.000~7.999MHz	FuAT,Fundl	200 Ω Max.	20.000~29.999MHz	AT,Fundl	40 Ω Max
8.000~9.999MHz	uAT,Fundl	100 Ω Max.	30.000~54.000MHz	AT,Fundl	30 Ω Max
10.000~19.999MHz	AT,Fundl	60 Ω Max			

Dimensions and patterns(unit:mm)

