

49SMD

[12.7×4.8×4/3 mm]

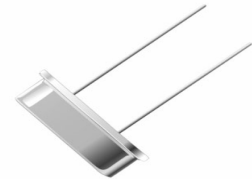
HC-49S

[10.7×4.3×2.5 mm]


SMD / Thru-hole Type
Fundamental /3rd
Frequency Range
3MHz~100MHz

Features

- AT-strip crystal inside. Optimized for low spurious
- Wide frequency range from 3MHz to 100MHz
- Low profile and cost effective
- Excellent frequency stability
- High stability and reliability with temperature
- The crystal package will withstand solder reflow (HC-49S SMD).
- Applications: Bluetooth, Security, IoT, Wireless communications, Consumer electronic, PC peripherals, etc.



Standard Specifications

Item / Type	49SMD	HC-49S
Frequency Range	3~100 MHz(Fund. /3rd)	3~100 MHz(Fund. /3rd)
Load Capacitance	5pF~30pF, or specify	
Drive Level	100 μ W typical	
Frequency Tolerance (at 25°C)	± 10 ppm, ± 20 ppm or ± 30 ppm (max.)	
Aging	± 5 ppm / Year (max.)	
Storage Temperature Range	-55°C~+125°C	

ESR (Equivalent Series Resistance)

49SMD / HC-49S			
Frequency Range	E.S.R	Frequency Range	E.S.R
3~3.4MHz	300 Ω max.	27~30MHz	100 Ω max.
3.5~6MHz	120 Ω max.	30~50MHz	80 Ω max.
6.1~10MHz	60 Ω max.	50~100MHz	60 Ω max.
10~14MHz	40 Ω max.		
14~30MHz	30 Ω max.		

Frequency stability Vs Operating temperature range

ppm Temp. (°C)	± 5	± 10	± 15	± 20	± 25	± 30
-10~+60	×	○	○	○	○	○
-20~+70	×	▲	○	○	○	○
-40~+85	×	×	○	○	○	○

▲: Conditional

○: Available

×: Not available

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SMD / Thru-hole Type

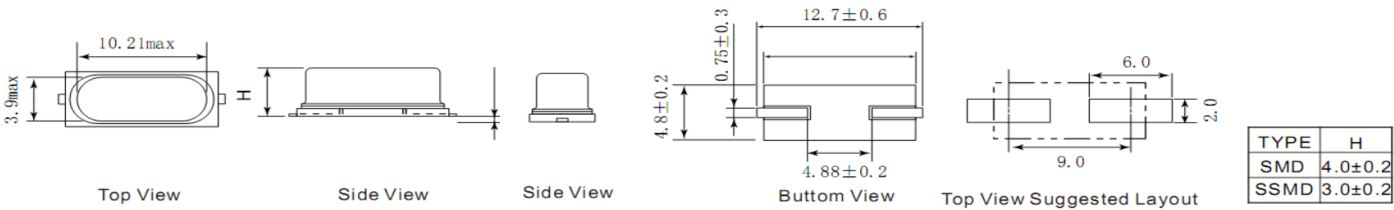
Fundamental /3rd

Frequency Range

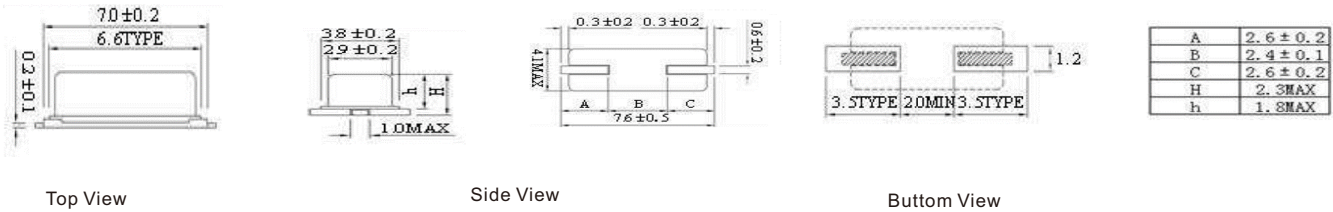
3MHz~100MHz

Outline Dimensions (Unit: mm)

49SMD/ 49SSMD



M49SMD



HC-49S / HC-49SS

