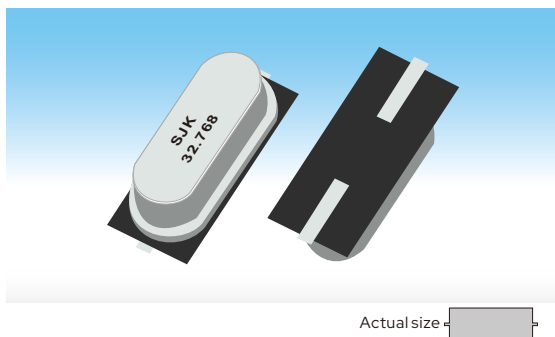


Quartz Crystal Units

6C Series HC-49SMD Crystal Unit

3MHz~100MHz

Size: 11.0×4.6×4.0 / 3.0mm



Features

- Surface mounting type crystal units
- Wide frequency range from 3MHz up to 100MHz
- Highly mass production capability
- High frequency pullability equivalent series resistance
- Application for PC, Peripherals, STB, LCDM, Automotive, Security, UPS, New Energy, IoT, etc.
- RoHS Compliant / Pb Free



Standard Specifications

Item	Type	6C Series HC-49SSMD Crystal Units
Frequency Range		3~100MHz
Load Capacitance		16pF, 20pF, 30pF, or specify
Drive Level		100μW typical
Frequency Tolerance		±10ppm, ±20ppm, ±30ppm, or specify (at 25°C)
Frequency Characteristics Over Temperature		±10ppm, ±20ppm, ±30ppm, or specify
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C

Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone	
3~3.686MHz	200Ω max.	27~30MHz	100Ω max.
3.686~5MHz	150Ω max.	30~50MHz	80Ω max.
5~10MHz	80Ω max.	50~100MHz	60Ω max.
10~14MHz	40Ω max.		
14~30MHz	30Ω max.		

Dimensions

[mm]

TYPE	H
SMD	4.0±0.2
SSMD	3.0±0.2

Connection

Suggested Layout

Top View Suggested Layout