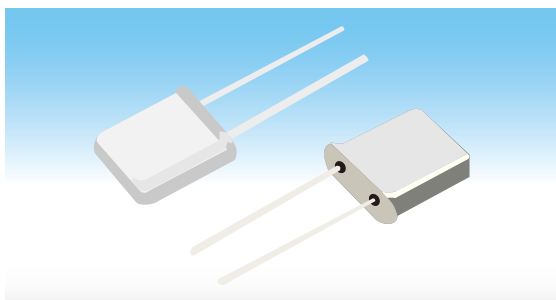


Quartz Crystal Units

6A Series HC-49U Crystal Units

1MHz~150MHz

Size: 11.0×13.0×4.5mm



Features

- Resistance welded type crystal units
- Wide frequency range from 1MHz up to 150MHz
- Offers excellent frequency stability
- High frequency pullability and lower equivalent series resistance
- Low cost and highly mass production capability
- Application for TV, STB, LCDM, Communications, Cable modem, etc
- RoHS Compliant / Pb Free



Standard Specifications

Item	Type	6A Series HC-49U Crystal Units
Frequency Range		1~150MHz
Load Capacitance		16pF, 18pF, 20pF, 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		5th Overtone	
1.843~3.0MHz	350Ω max.	20~25MHz	50Ω max.	75~100MHz	40Ω max.
3.0~3.5MHz	150Ω max.	25~30MHz	40Ω max.	100~125MHz	60Ω max.
3.5~4.0MHz	90Ω max.	30~75MHz	40Ω max.	125~150MHz	80Ω max.
4.0~70MHz	60Ω max.	75~100MHz	60Ω max.		
70~150MHz	35Ω max.				
15~30MHz	25Ω max.				

Dimensions

[mm]

