

Features

- Resistance welded type crystal units.
- A great number of standard frequencies.
- Wide frequency from 1.843MHz up to 150MHz.
- Offers excellent frequency stability.
- High frequency pullability and lower equivalent series resistance.
- Lower cost and highly mass production capability.
- The best choice of TV, STB, LCDM, Communication, Cable modem, etc.
- RoHS Compliant / Pb-Free.



Electrical Specifications

Item /Type	6A (HC-49U crystal resonator)
Frequency Range	1.843~150MHz
Frequency Tolerance(at 25 °C)	±30ppm, or specify
Frequency Stability Over Operating Temperature Range	±30ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance(C ₀)	7pF Max.
Drive Level	1~500μW Max.(100μW Typical)
Load Capacitance	16pF, 20pF,30pF, 32pF, or specify
Aging (at 25°C)	±3ppm / year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	1000pcs

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone		5th Overtone	
1.843~3.0MHz	350 Ω Max.	20~25MHz	50 Ω Max.	70~100MHz	60 Ω Max.
3.0~3.5MHz	150 Ω Max.	25~30MHz	40 Ω Max.	100~125MHz	60 Ω Max.
3.5~4.0MHz	90 Ω Max.	30~75MHz	40 Ω Max.	125~150MHz	60 Ω Max.
4.0~7.0MHz	60 Ω Max.	75~100MHz	60 Ω Max.		
7.0~15MHz	35 Ω Max.				
15~30MHz	25 Ω Max.				

Dimensions

Units:mm

