

## 6B Series HC-49S Crystal Resonator

### Features

- Resistance welded type crystal units.
- A great number of standard frequencies.
- Wide frequency from 3MHz up to 100MHz.
- 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	6B (HC-49S crystal resonator)
Frequency Range	3~100MHz
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 <sub>0</sub> )	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	
3.0~3.686MHz	200Ω Max.	27~30MHz	100 Ω Max.
3.686~5MHz	150Ω Max.	30~50MHz	80 Ω Max.
5~10MHz	80Ω Max.	50~100MHz	60 Ω Max.
10~14MHz	40Ω Max.		
14~30MHz	30 Ω Max.		

### Dimensions

Units:mm

