

### Features

- High reliability & Low Cost
- Proven resistance welded metal package
- Tight stability & extended temperature
- Wide frequency range from 3MHz to 100MHz
- Application for IoT, Consumer product, HDTV, Communication, Visual applications, etc.
- RoHS Compliant /Pb Free



### Standard Specification

| Item /Type                           | 6B (HC-49S Crystal Units) |
|--------------------------------------|---------------------------|
| Frequency Range                      | 3~100 MHz                 |
| Frequency Tolerance (at 25°C)        | ±30ppm, or specify        |
| Frequency Stability Over Temperature | ±30ppm, or specify        |
| Operating Temperature Range          | -20~+70°C, or specify     |
| Shunt Capacitance (C <sub>0</sub> )  | 7pF Max.                  |
| Drive Level                          | 1~500μW (100μW Typ.)      |
| Load Capacitance                     | 16pF, 20pF, or specify    |
| Aging (at 25°C)                      | ±3ppm /year Max.          |
| Storage Temperature Range            | -55~+125°C                |
| Packing Unit                         | 200pcs.                   |

### Equivalent Series Resistance

| Fundamental |           | 3rd Overtone |           |
|-------------|-----------|--------------|-----------|
| 3~3.79MHz   | 200Ω Max. | 27~30MHz     | 100Ω Max. |
| 3.8~5.0MHz  | 150Ω Max. | 30~50MHz     | 80Ω Max.  |
| 5~10MHz     | 80Ω Max.  | 50~100MHz    | 60Ω Max.  |
| 10~14MHz    | 40Ω Max.  |              |           |
| 14~36MHz    | 30Ω Max.  |              |           |

### Dimensions [mm]

