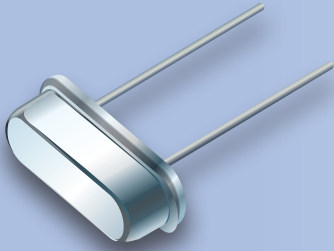


Metal Can Type Crystals

HC-49S 9B Series

Think of Frequency Think
<http://www.konuaer.com>



Features

- Resistance welded type crystal units.
- A great number of standard frequencies.
- Higher frequency pullability and lower equivalent series resistance.
- Lower cost and highly mass production capability.
- The best choice of TV, STB, LCDM and Cable Modem.
- RoHS Compliant / Pb Free.

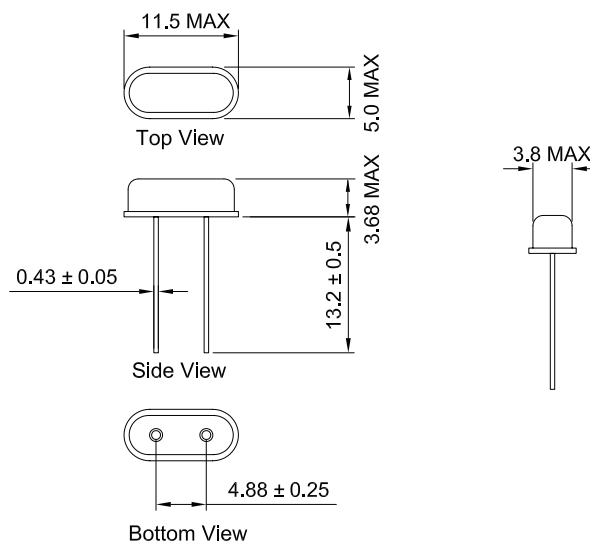
Electrical Specifications

| Item / Type | 9B |
|--|--|
| Frequency Range | 3.2 ~ 90 MHz |
| Frequency Tolerance (at 25 °C) | ± 30 ppm, or specify |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm, or specify |
| Operating Temperature Range | - 20 ~ +70 °C, or specify |
| Shunt Capacitance (C0) | 7 pF Max. |
| Drive Level | 1 ~ 500 μW (100 μW typical) |
| Load Capacitance | Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify |
| Aging (at 25 °C) | ± 5 ppm / year Max. |
| Storage Temperature Range | - 40 ~ + 85 °C |

Equivalent Series Resistance(ESR)

| Fundamental | | 3rd Overtone | |
|-----------------|------------|--------------|------------|
| 3.2 ~ 3.686 MHz | 200 Ω Max. | 27 ~ 30 MHz | 100 Ω Max. |
| 3.686 ~ 5 MHz | 150 Ω Max. | 30 ~ 50 MHz | 80 Ω Max. |
| 5 ~ 10 MHz | 80 Ω Max. | 50 ~ 90 MHz | 60 Ω Max. |
| 10 ~ 14 MHz | 40 Ω Max. | | |
| 14 ~ 30 MHz | 30 Ω Max. | | |

Dimensions



Units: mm