

# Metal Can Type Crystals HC-49S AS Series



## Features

- Wide operating temperature range.
- Superior and reliable performance in harsh environment.
- RoHS Compliant / Pb Free

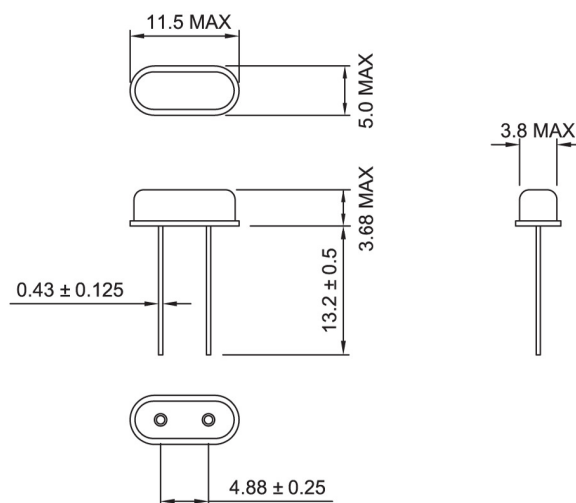
## Electrical Specifications

| Item / Type                                          | AS                              |
|------------------------------------------------------|---------------------------------|
| Frequency Range                                      | 4 ~ 25 MHz                      |
| Overtone                                             | Fundamental                     |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm                        |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm Max.                   |
| Operating Temperature Range                          | - 40 ~ +85 °C                   |
| Drive Level                                          | 10 μW (typical) ; 300 μW (Max.) |
| Load Capacitance                                     | 12 pF, or specify               |
| Storage Temperature Range                            | - 40 ~ +85 °C                   |
| Reliability Standard                                 | AEC-Q200 VER.C                  |

## Equivalent Series Resistance(ESR)

| Fundamental |            |
|-------------|------------|
| 4 ~ 6 MHz   | 150 Ω Max. |
| 6 ~ 8 MHz   | 120 Ω Max. |
| 8 ~ 10 MHz  | 80 Ω Max.  |
| 10 ~ 12 MHz | 70 Ω Max.  |
| 12 ~ 16 MHz | 60 Ω Max.  |
| 16 ~ 25 MHz | 50 Ω Max.  |

## Dimensions



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.