

# Series WX5

## Resistance Welded HC-49/U Package



### FEATURE

- Height 13.46mm
- A resistance weld completely sealed type
- The tight frequency stability
- Copes with high density mounting and is the optimum for mass production



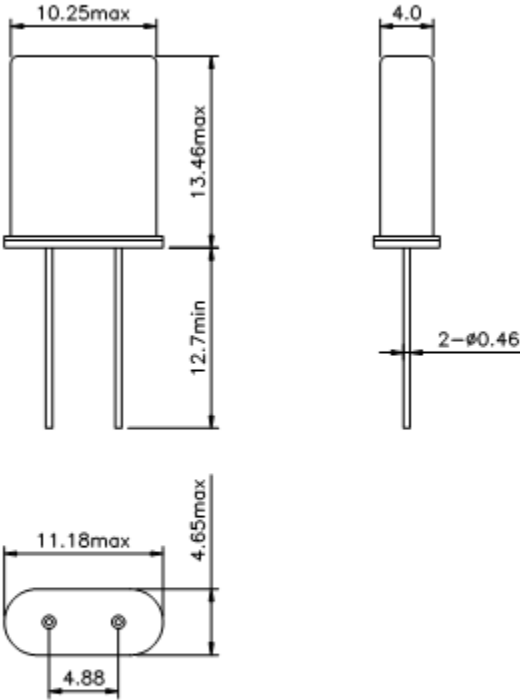
### ELECTRICAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| Nominal frequency:           | 1.8432MHz to 150.000MHz   |
| Oscillation mode:            | See below table   |
| Operating temperature range  | -20°C--+70°C (Typical), -10°C ~ +60°C,<br>-40°C ~ +85°C, or specify |
| Storage temperature range    | -40°C--+85°C  |
| Frequency tolerance:         | ± 30PPM at 25±2°C (Typical), or specify                             |
| Frequency stability          | ± 50PPM over -20~70°C (Typical), or specify                         |
| Load capacitance:            | 16pF, 18pF, 20pF, 30pF, series, or specify                          |
| Equivalent series resistance | See below table   |
| Parallel capacitance(Co):    | 7PF Max   |
| Drive level                  | 100 µW Typical  |
| Insulation resistance:       | More than 500M Ω AT DC100V  |

### EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

| Frequency Range   | E.S.R (Ω) | Mode           | Frequency Range       | E.S.R (Ω) | Mode                     |
|-------------------|-----------|----------------|-----------------------|-----------|--------------------------|
| 1.843MHz~1.999MHz | 350Max    | Fundamental/AT | 7.000MHz~9.999MHz     | 30Max     | Fundamental/AT           |
| 2.000MHz~2.399MHz | 300Max    | Fundamental/AT | 10.000MHz~12.999MHz   | 20Max     | Fundamental/AT           |
| 2.400MHz~2.999MHz | 200Max    | Fundamental/AT | 13.000MHz~30.000MHz   | 20Max     | Fundamental/AT           |
| 3.000MHz~3.199MHz | 150Max    | Fundamental/AT | 24.000MHz~29.999MHz   | 50Max     | Third Overtone/AT        |
| 3.200MHz~3.499MHz | 100Max    | Fundamental/AT | 30.000MHz~65.000MHz   | 40Max     | Third Overtone/AT        |
| 3.500MHz~3.899MHz | 90Max     | Fundamental/AT | 60.000MHz~99.999MHz   | 90Max     | Third /Fifth Overtone/AT |
| 3.900MHz~4.099MHz | 70Max     | Fundamental/AT | 90.000MHz~120.000MHz  | 90Max     | Fifth overtone /AT       |
| 4.100MHz~5.999MHz | 60Max     | Fundamental/AT | 120.000MHz~150.000MHz | 90Max     | Seventh overtone /AT     |
| 6.000MHz~6.999MHz | 50Max     | Fundamental/AT |                       |           |                          |

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**Dimension**



All dimensions are in mm