

## 连云港济源晶体元件有限公司（JYJT）

### ELECTRICAL SPECIFICATIONS

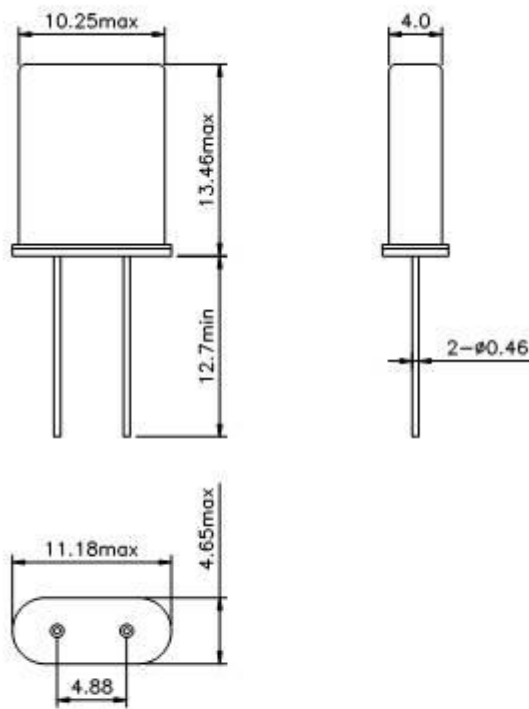
|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Nominal frequency:           | 1.0 MHz to 50.000MHz                                          |
| Oscillation mode:            | See below table                                               |
| Operating temperature range  | -20℃--+70℃ (Typical), -10℃ ~ +60℃,<br>-40℃ ~ +85℃, or specify |
| Storage temperature range    | -40℃--+85℃                                                    |
| Frequency tolerance:         | ±30PPM at 25±2℃ (Typical), or specify                         |
| Frequency stability          | ±50PPM over -20~70℃ (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 | 350M <sub>ax</sub> | Fundamental /AT | 7. 000MHz~9. 999MHz   | 30Max       | Fundamental /AT          |
| 2. 000MHz~2. 399MHz | 300M <sub>ax</sub> | Fundamental /AT | 10. 000MHz~12. 999MHz | 20Max       | Fundamental /AT          |
| 2. 400MHz~2. 999MHz | 200M <sub>ax</sub> | Fundamental /AT | 13. 000MHz~30. 000MHz | 20Max       | Fundamental /AT          |
| 3. 000MHz~3. 199MHz | 150M <sub>ax</sub> | Fundamental /AT | 24.000MHz~29.999MHz   | 50Max       | Third Overtone/AT        |
| 3. 200MHz~3. 499MHz | 100M <sub>ax</sub> | Fundamental /AT | 30. 000MHz~65. 000MHz | 40Max       | Third Overtone/AT        |
| 3. 500MHz~3. 899MHz | 90M <sub>ax</sub>  | Fundamental /AT | 60. 000MHz~99. 999MHz | 90Max       | Third /Fifth Overtone/AT |

|                   |       |                    |                       |       |                            |
|-------------------|-------|--------------------|-----------------------|-------|----------------------------|
| 3.900MHz~4.099MHz | 70Max | Fundamental<br>/AT | 90.000MHz~120.000MHz  | 90Max | Fifth<br>overtone<br>/AT   |
| 4.100MHz~5.999MHz | 60Max | Fundamental<br>/AT | 120.000MHz~150.000MHz | 90Max | Seventh<br>overtone<br>/AT |
| 6.000MHz~6.999MHz | 50Max | Fundamental<br>/AT |                       |       |                            |

## Dimension



All dimensions are in mm

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