

# 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, -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 500MΩ AT DC100V

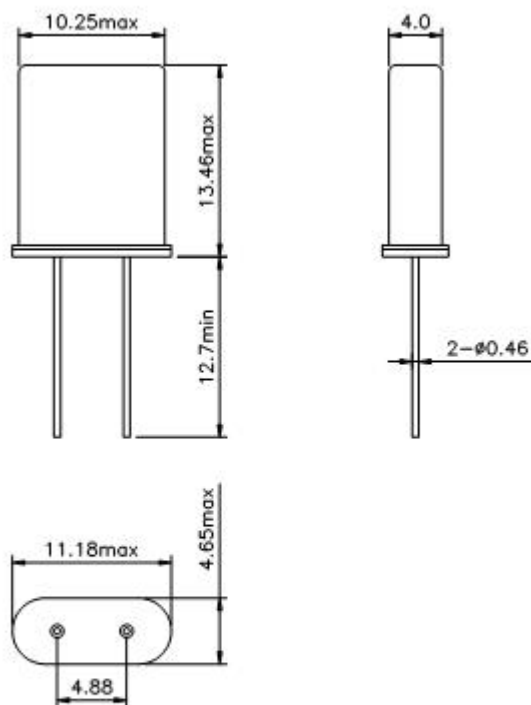
### EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

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