

**P/N: WTL9S12256**  
**Resistance Welded HC-49/S Low Profile Package**



<b>Customer</b>	<b>WTL</b>
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# SPECIFICATION

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### Resistance Welded HC-49/S Low Profile Package



#### FEATURE

- Standard height 3.5mm, the part is compact at about one-fourth of the HC-49/U package
- A resistance weld completely sealed type
- Good stability and high reliability
- Copes with high density mounting and is the optimum for mass production



#### ELECTRICAL SPECIFICATIONS

Nominal frequency	48.000MHz
Oscillation mode	See below table
Operating temperature range	-20°C---+70°C
Storage temperature range	-40°C---+85°C
Frequency tolerance	±30ppm
Freq. Temp characteristics	±30ppm
Load capacitance	20pF
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 ( )	Mode	Frequency Range	E.S.R ( )	Mode
3.000MHz~5.999MHz	150Max	Fundamental/AT	24.000MHz~40.320MHz	30Max	Fundamental/ BT
6.000MHz~7.999MHz	60Max	Fundamental/AT	24.000MHz~29.999MHz	100Ma x	Third Overtone /AT
8.000MHz~15.999M Hz	50Max	Fundamental/AT	30.000MHz~49.999MHz	80Max	Third Overtone /AT
16.000MHz~30.000M Hz	30Max	Fundamental/AT	50.000MHz~100.000MHz	60Max	Third Overtone /AT

**Dimension**

