

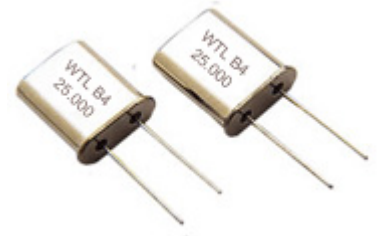
Series WM1

Resistance Welded UM-1, UM-5 Package



FEATURE

- Excellent frequency temperature characteristics extending across a wide temperature range
- Excellent aging characteristics
- Uniform frequency tuning range and modulation sensitivity
- Excellent shock resistance



ELECTRICAL SPECIFICATIONS

Item	Specifications
Frequency Range	4.000MHz~200.000MHz
Load Capacitance(C _L)	Series or 9pF ~ 50pF
Frequency tolerance	±5PPM ~ +/-50PPM
Operating temperature range	-10°C~+60°C (Typ.)
Frequency Stability Over Operating Temperature Range	±5PPM ~ +/-50PPM
Storage temperature range	-40°C--+85°C
Shunt capacitance(C ₀)	7PF Max
Drive level	100 μW (Typical)
Aging	+/-5ppm/year

*Please consult our sales representative for other specifications.

EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency Range	E.S.R (Ω)	Mode	Frequency Range	E.S.R (Ω)	Mode
4.000MHz~4.999MHz	100Max	Fundamental	14.000MHz~19.999MHz	40Max	Fundamental
5.000MHz~5.999MHz	90Max	Fundamental	20.000MHz~23.999MHz	30Max	Fundamental
6.000MHz~6.999MHz	80Max	Fundamental	24.000MHz~34.999MHz	40Max	Third Overtone
7.000MHz~9.999MHz	60Max	Fundamental	35.000MHz~99.999MHz	80Max	Third Overtone
10.000MHz~13.999MHz	50Max	Fundamental	100.000MHz~200.000MHz	100Max	5 th /7 th overtone

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Dimension (mm)

