



OPERATING TEMPERATURE RANGE AND FREQUENCY STABILITY									
TEMP.	PPM	±3	±5	±7.5	±10	±15	±20	±30	±50
-0°C to +50°C		✓	✓	✓	✓	✓	✓	✓	✓
-10°C to +60°C		✓	✓	✓	✓	✓	✓	✓	✓
-20°C to +70°C			✓	✓	✓	✓	✓	✓	✓
-30°C to +80°C					✓	✓	✓	✓	✓
-40°C to +90°C						✓	✓	✓	✓

Table 1.

ESR		
FREQUENCY MHz	VIBRATION MODE	UM-1S
3.5 to 3.9	Fundamental	200
4.0 to 4.99	Fundamental	150
5.0 to 9.9	Fundamental	60
10.0 to 14.9	Fundamental	40
15.0 to 50.0	Fundamental	30
30.0 to 49.9	Third	45
50.0 to 100.0	Third	60
75.0 to 160.0	Fifth	80

Table 2.

SPECIFICATION	
NOMINAL FREQUENCY	3.5 MHz to 160 MHz
FREQUENCY TOLERANCE AT ±25°C ±3°C	±10, ±15, ±20, ±30, ±50ppm
OPERATING TEMPERATURE RANGE AND STABILITY	Refer Table 1.
STORAGE TEMPERATURE RANGE	- 40°C to +80°C
EQUIVALENT SERIES RESISTANCE	Refer Table 2.
CIRCUIT CONDITION	Series, 16, 20, 30pF or Special ( Note 1. )
DRIVE LEVEL	10, 100, 300, 1000µW or Special ( Note 1. )
AGING FOR 1st YEAR AT 25°C	Less than ±5ppm per Year

NOTE 1. PLEASE CONTACT OUR TECHNICAL SALES DEPARTMENT FOR ADDITIONAL REQUIREMENTS.