

● **FEATURE**

- Metal welded package
- High shock resistance
- Excellent frequency aging stability
- High heat resistance
- RoHS compliance

● **SPECIFICATION**

FREQUENCY RANGE	3.5-70.0 MHz
OSCILLATION MODE	AT CUT Fundamental , 3rd , 5th
FREQUENCY TOLERANCE	± 20,±30,±50ppm at25°C
OPERATING TEMPERATURE CHARATERISTICS	※ See table 1
LOAD CAPACITANCE	Series, 16, 20, 30pF or special
DRIVE LEVEL	From 10 μw to 1mw
PARALLEL CAPACITANCE	7.0pF max or special
SERIES RESISTANCE	※ See table 2
INSULATION RESISTANCE	More than 500MΩ at DC 100V
AGING	± 5ppm/year
MEASURE INSTRUMENT	S&A 250A with π Fixture

● **TABLE 1**
FREQUENCY STABILITY(REF. TO 25°C)

Operating Temp	±20 ppm	±30 ppm	±50 ppm
0~ 50°C	○	○	○
-10~ 60°C	○	○	○
-20~ 70°C	○	○	○

● **TABLE 2**
EQUIVALENT SERIES RESISTANCE (ESR)

Frequency (MHz)	MODE	ESR(maxΩ)
3.5~4.9	Fundamental	120~200
5.0~7.9	Fundamental	70~100
8.0~9.9	Fundamental	50~70
10~19.9	Fundamental	30~50
20~29.9	Fundamental	30
30~39.9	Fundamental	30
25~29.9	3rd overtone	80
30~49.9	3rd overtone	80~100
50~70.0	3rd overtone	100~120