



SPECIFICATION	
NOMINAL FREQUENCY	8.0 MHz to 90.0 MHz
FREQUENCY TOLERANCE AT 25°C ±2°C	±50ppm Typical
OPERATING TEMPERATURE RANGE	0°C to +70°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
EQUIVALENT SERIES RESISTANCE	Maximum resistance specified below
FREQUENCY STABILITY (Reference to 25°C)	±50ppm
LOAD CAPACITANCE	Customer Specified
DRIVE LEVEL	100µW Maximum
SHUNT CAPACITANCE	7pF Maximum
AGING FOR 1st YEAR AT 25°C	±3ppm Maximum
INSULATION RESISTANCE	500MΩ Minimum / 50V DC

EQUIVALENT SERIES RESISTANCE		
FREQUENCY	EQUIVALENT SERIES RESISTANCE	OSCILLATION MODE
8.0 ≤ f <sub>0</sub> < 10.0 MHz	60Ω Maximum	AT - Cut Fundamental
10.0 ≤ f <sub>0</sub> < 16.0 MHz	40Ω Maximum	AT - Cut Fundamental
16.0 ≤ f <sub>0</sub> ≤ 30.0 MHz	30Ω Maximum	AT - Cut Fundamental
30.0 ≤ f <sub>0</sub> < 40.0 MHz	80Ω Maximum	AT - Cut 3rd Overtone
40.0 ≤ f <sub>0</sub> ≤ 90.0 MHz	70Ω Maximum	AT - Cut 3rd Overtone