



- ATS SMD Height=4.1mm / 3.2mm
- Microprocessors and other standard clocks
- Resonator with a high frequency stability
- High precision and high reliability
- Nominal frequency range : 3.072MHz to 70 MHz
- Mode : Fundamental / 3rd / BT
- Available Tape and reeled.
- Applications : mobile radio communications

Standard Specification

Frequency Range	3.072MHZ to 70.000MHZ
Overtone	Fundamental / 3rd / BT
Motional Resistance (ESR)	As per below table
Load Capacitance (CL)	Standard (12pF, 16pF), 8pF≤User Spec
Level of Drive (DL)	100μW(STD), 500μW max
Frequency Tolerance (25°C)	50ppm max, User Spec
Temperature Stability	50ppm max, User Spec
Operating Temperature Range	-40°C to +85°C, User Spec
Storage Temperature Range	-40°C to +85°C
Aging	± 5ppm / year max

* BT only temperature range 0 ~ 70°C

Motional resistance (ESR)

Frequency (MHZ)	Overtone	CI (Ω) MAX
3.072 ~ 3.499	F	300
3.500 ~ 4.199	F	140
4.200 ~ 4.999	F	100
5.000 ~ 7.999	F	80
8.000 ~ 11.999	F	60

Frequency (MHZ)	Overtone	CI (Ω) MAX
12.000 ~ 33.999	F	40
22.000 ~ 40.000	BT	40
26.000 ~ 44.999	3rd	70
45.000 ~ 70.000	3rd	60

Dimensions (mm)

