



■ SMD X-TAL 2.5×2.0mm

- Ultra miniature and lightweight SMD crystal resonator
- High precision and high reliability
- Nominal frequency range : 15MHz to 48 MHz
- Mode : Fundamental

- Applications : Mobile phone, Bluetooth, W-LAN ,ISM band radio, Clock for MPU

■ Standard Specification



Frequency Range	15.000MHZ to 48.000MHZ
Overtone	Fundamental
Motional Resistance (ESR)	As per below table
Load Capacitance (CL)	Standard (9pF, 10pF, 12pF), 6pF≤User Spec
Level of Drive (DL)	10μW(STD), 500μW max
Frequency Tolerance (25°C)	30ppm 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	± 3ppm / year max

■ Motional resistance (ESR)

Frequency (MHZ)	15.000≤ f < 25.000	25.001≤ f < 35.000	35.001≤ f < 48.000
CI (Ω)	80	50	40
Overtone	Fundamental		

■ Dimensions (mm)

