



■ SMD X-TAL 5.0x3.2mm

- Miniature and lightweight SMD crystal resonator.
- Excellent heat resistance, high precision, and high reliability.
- Nominal frequency range : 8MHz to 54MHz
- Mode : Fundamental

■ Applications : PDA, car navigation systems, digital AV equipment

■ Standard Specification

Frequency Range	8.000MHZ to 54.000MHZ
Overtone	Fundamental
Motional Resistance (ESR)	As per below table
Load Capactance (CL)	Standard (9pF, 12pF, 16pF), 9pF≤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)	8.000 ≤ f < 11.999	12.000 ≤ f < 17.000	17.001 ≤ f < 32.000	32.001 ≤ f < 54.000
CI (Ω)	80	60	50	40
Overtone	Fundamental			

■ Dimensions (mm)

