



## ■ SMD X-TAL 7.0×5.0mm

- Miniature and lightweight SMD crystal resonator.
- Excellent heat resistance, high precision and high reliability.
- Nominal frequency range : 6.000MHz to 130.000MHz.
- Operation mode : Fundamental, 3'rd overtone.

- Applications : Digital AV equipment as well as many other applications.

## ■ Standard Specification

Frequency range	6.000MHz to 130.000MHz
Operation mode	Fundamental & 3'rd overtone
Motional resistance (ESR)	As per below table
Load capacitance (CL)	Standard (12pF, 16pF, 18pF), user spec
Level of drive (DL)	± 100μW(std), 500μW Max
Frequency tolerance (25°C)	± 30ppm Max, user spec
Temperature stability	± 50ppm Max, user spec
Operating temperature range	-10°C to +70°C(std), -40°C to +85°C
Storage temperature range	-45°C to +100°C
Aging (Initial first year)	± 3ppm Max

## ■ Motional resistance (ESR)

Frequency (MHz)	6.0 ≤ f < 10	10.1 ≤ f < 20	20.1 ≤ f < 40	38 ≤ f < 50	50.1 ≤ f < 85	85.1 ≤ f < 130
Cl (Ω)	70	50	40	60	50	40
Operation mode	Fundamental			3'rd overtone		

## ■ Dimensions (mm)

