



### ■ SMD X-TAL 7.0×5.0mm

- Miniature and lightweight SMD crystal resonator
- Excellent heat resistance, high precision, and high reliability.  
Nominal frequency range : 6MHz to 130 MHz
- Mode : Fundamental, 3rd

- Applications : digital AV equipment as well as many other applications

## ■ Standard Specification

Frequency Range	6MHZ to 130MHZ
Overtone	Fundamental / 3rd
Motional Resistance (ESR)	As per below table
Load Capacitance (CL)	Standard (12pF, 16pF, 18pF), 10pF≤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)	6.0 ≤ f < 10	10.1 ≤ f < 20	20.1 ≤ f < 41	38 ≤ f < 50	50.1 ≤ f < 85	85.1 ≤ f < 130
CI (Ω)	70	50	40	60	50	40
Overtone	Fundamental			3rd		

## ■ Dimensions (mm)

Top View

• Recommended Soldering Pattern

CONNECTION

- #1 : X-TAL
- #2 : GND
- #3 : X-TAL
- #4 : GND