

OUTLINE DIMENSIONS

Unit: mm

ELECTRICAL SPECIFICATIONS	
Frequency range	12.0~50.0 MHz 4.0x2.5x0.8
Vibration mode	AT cut, Fundamental
Frequency tolerance (at 25 °C)	-/+10PPM~
Equivalent series resistance	See table No.1
Stability(-20-+70 °C)	-/+10PPM~
Shunt capacitance	-55 °C ~ 125 °C
Shunt capacitance (C0)	5.0pF max
Load capacitance (CL)	Series resonance, 16pF~32pF
Shock	Natural drop from 75cm height onto a hard wooden board, three times dF/F=+-3ppm max

Equivalent series resistance(ESR) Table No.1

Frequency	Mode	ESR
12.0~15.0 MHz	Fundamental	60 ohms max.
16.0~20.0 MHz	Fundamental	40 ohms max.
21.0~50.0 MHz	Fundamental	30 ohms max.

INTERNAL CONNECTION

Aging
-+2ppm/year

ORDERING GUIDE

SMD-H Frequency :
Load capacitance : pF
Crystal impedance : Ω
Stability : ± ppm (at 25 °C)
Tolerance : ± ppm (°C ~ °C)
Drive level : μW
Shunt capacitance : pF
Packing type : Bulk / Reel taping

Specifications subjects to change without notice & If you need other specifications, Contact our factory.

APPLICATIONS CIRCUIT



