

OUTLINE DIMENSIONS

ELECTRICAL SPECIFICATIONS

Frequency range	16.000MHz ~ 54.000MHz 2.5x2.0x0.5
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
16.0~20.0 MHz	Fundamental	80 ohms max.
21.0~40.0 MHz	Fundamental	60 ohms max.
20.0000MHz ~ 24.9999MHz	40	Fundamental
25.0000MHz ~ 54.0000MHz	35	Fundamental

INTERNAL CONNECTION

Note :
Pin#2 and #4 are connected through cover.
In case connected to GND, frequency might be drifted.

ORDERING GUIDE

SMD-j 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



