

OUTLINE DIMENSIONS

SMD - Fre

ELECTRICAL SPECIFICATIONS

Frequency range	12.000MHz ~ 30.000MHz		
Frequency tolerance	±20ppm	±30ppm	± 50ppm
Frequency stability	±30ppm	±50ppm	±100ppm
Operating temperature range	-0 °C ~ 70 °C	-20 °C ~ 70 °C	-40 °C ~ 85 °C
Operable temperature range	-40 °C ~ 85 °C		
Storage temperature range	-55 °C ~ 125 °C		
Shunt capacitance (C0)	7pF max.		
Load capacitance (CL)	7pF to 33pF, Series		
Drive level	100µW max. (Typical)		
Aging (at 25 °C)	±3ppm / year max.		
Insulation resistance	500MΩ min.		
Frequency range	ESR (Ω) max.	Oscillation mode	
12.000MHz ~ 18.000MHz	50	Fundamental	
18.000MHz ~ 19.999MHz	45	Fundamental	
20.000MHz ~ 24.999MHz	40	Fundamental	
25.000MHz ~ 30.000MHz	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-I 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

