



ELECTRICAL SPECIFICATIONS			
Frequency range	10.000MHz ~ 150.000MHz		
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)	±5ppm / year max.		
Insulation resistance	500MΩ min.		
Frequency range	ESR (Ω) max.	Oscillation mode	
10.0000MHz ~ 14.9999MHz	50	Fundamental	
15.0000MHz ~ 19.9999MHz	40	Fundamental	
20.0000MHz ~ 24.0000MHz	30	Fundamental	
24.0000MHz ~ 27.0000MHz	35	Fundamental	
27.0000MHz ~ 80.0000MHz	40	3'rd overtone	
40.0000MHz ~ 150.0000MHz	100	5'rd overtone	
INTERNAL CONNECTION			
<p>Bottom view</p>		<p><b>Note :</b> Pin#2 and #4 are connected through cover. In case connected to GND, frequency might be drifted.</p>	
ORDERING GUIDE			
SMD-G 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**

