

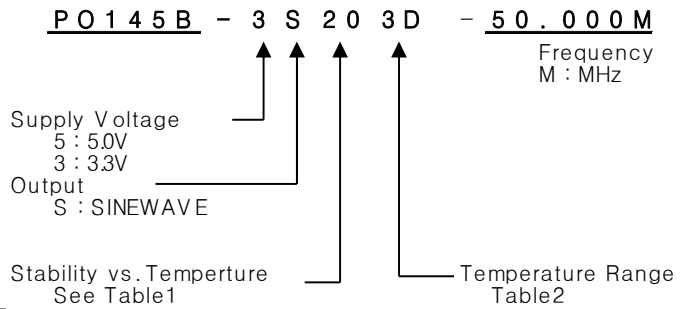
OSC

PO145B Series

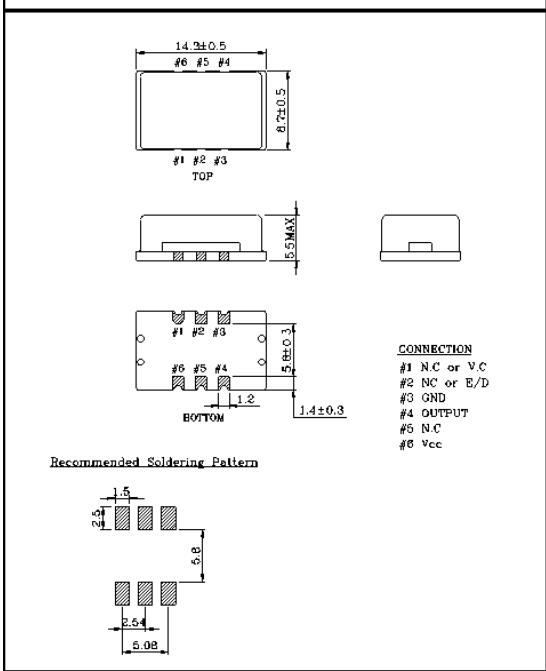
Sinewave

6PAD SMD PACKAGE

* PART NUMBERING GUIDE



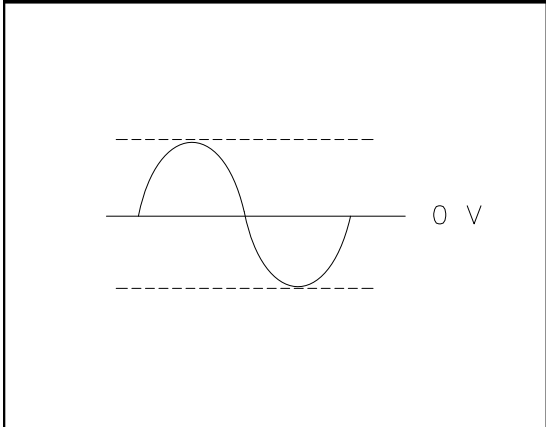
MECHANICAL DIMENSIONS



ELECTRICAL SPECIFICATION

Frequency range	1.000MHz to 200.000MHz All combination of Frequency range Vs. Package type can not be available ,please contact factory	
Frequency Stability vs. Temperature vs. Aging	±10 ppm to ±100ppm ±3.0 ppm max/ year	
Temperature Range Operating Storage	See Table 2 -55°C to 105°C	
Supply Voltage	3.3V ± 5% 5.0V ± 5%	
Input Current	fo ≤ 25.000MHz	3.3V 15mA 5.0V 20mA
	fo ≤ 50.000MHz	25mA 30mA
	fo ≤ 80.000MHz	35mA 50mA
	fo ≤ 125.000MHz	40mA 60mA
	fo ≤ 200.000MHz	45mA 70mA
Output characteristics	Level 3.3V 5.0V	0 dBm min +5 dBm typ
	Load	50Ω
Phase noise typ. @50MHz	-96dBc/Hz @10Hz -135dBc/Hz @100Hz -155dBc/Hz @1KHz -165dBc/Hz @10KHz -168dBc/Hz @100KHz -170dBc/Hz@1MHz	

OUTPUT WAVEFORM



ENVIROMENTAL & MECHANICAL SPECIFICATION

Shock	MIL-STD-883C, Method 2002, Condition B
Vibration	MIL-STD-883C, Method 2007, Condition A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215

TEST CIRCUIT

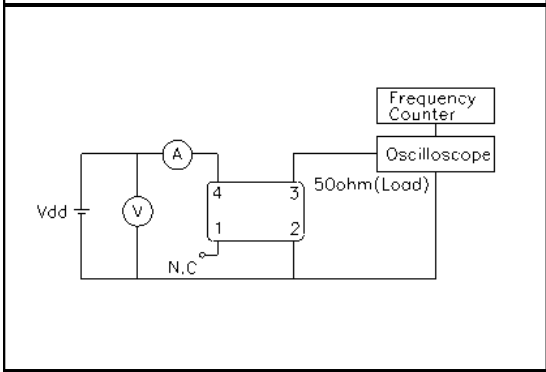


TABLE1

Symbol	Stability
10	± 10ppm
15	± 15ppm
20	± 20ppm
30	± 30ppm
50	± 50ppm
100	± 100ppm

TABLE2

Symbol	Temp.	Symbol	Temp.
0	0°C	A	50°C
1	-10°C	B	60°C
2	-20°C	C	70°C
3	-30°C	D	75°C
4	-40°C	E	80°C
		F	85°C