

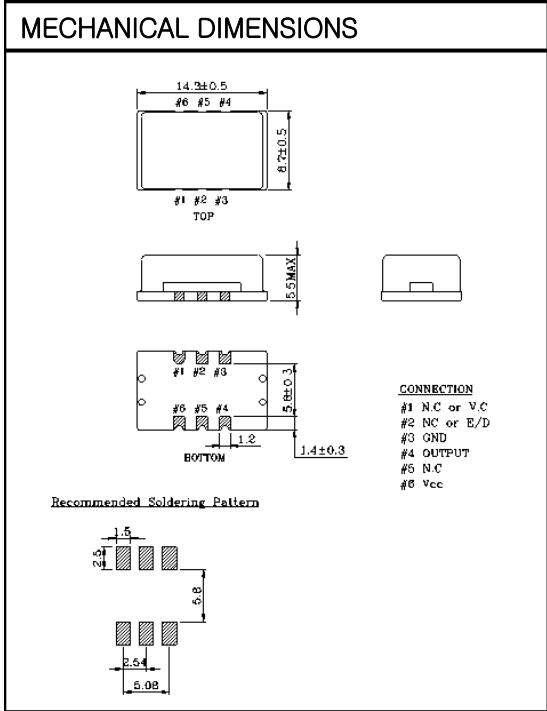
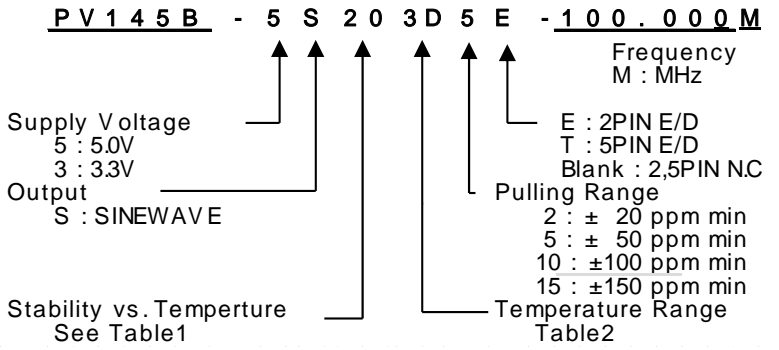
VCXO

PV145B Series

Sinewave

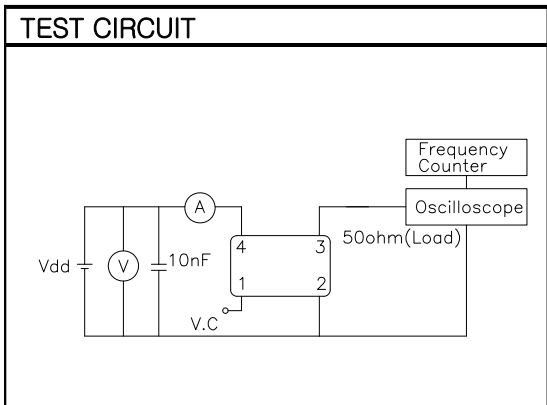
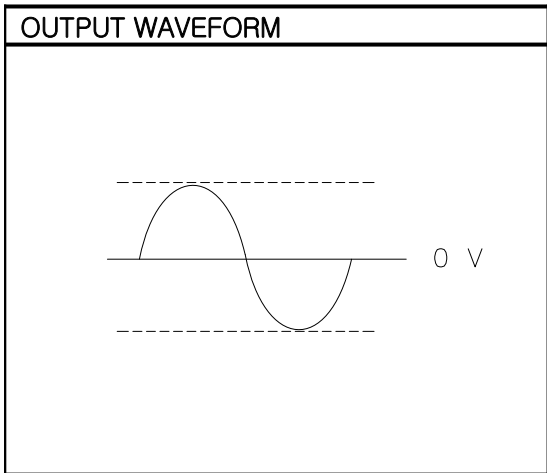
6PAD SMD PACKAGE

* PART NUMBERING GUIDE



ELECTRICAL SPECIFICATION

Frequency range	1.000MHz to 200.000MHz		
Frequency Stability vs. Temperature vs. Aging	± 10 ppm to ±50ppm ±2.0 ppm max/ year		
Temperature Range Operating Storage	See Table 2/ Wide operating temp. range available -55°C to 125°C		
Supply Voltage	3.3V ± 5% 5.0V ± 5%		
Input Current		3.3V(max)	5.0V(max)
	fo ≤ 25.000MHz	10mA	15mA
	fo ≤ 50.000MHz	25mA	30mA
	fo ≤ 80.000MHz	30mA	50mA
	fo ≤ 125.000MHz	35mA	60mA
	fo ≤ 200.000MHz	40mA	70mA
Output characteristics (Load: 50Ω)	Supply Voltage	Output Level	
	3.3V	0 dBm min	
	5.0V	+5 dBm typ	
Pull Characteristics			
Pulling Range	±20ppm / ±50ppm / ±100 / ±150 ppm min		
Control Range	1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.0V/2.5V (Vdd : 5.0V)		



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

TABLE1

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

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
5	-50°C	F	85°C
6	-55°C	G	105°C
		H	125°C