

VCXO

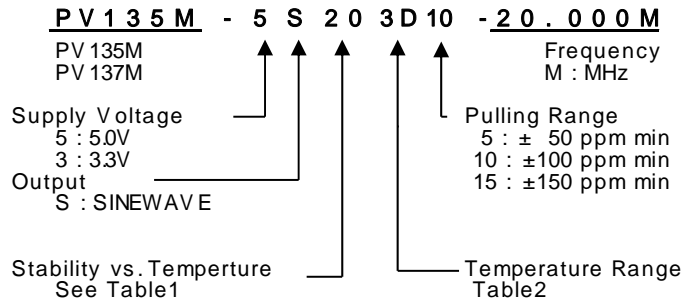
PV135M / PV1357M Series

Sinewave

8PIN DIP PACKAGE

Hermetic package

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS

TYPE	"H" SIZE
PV205M	5.1 MAX
PV207M	7.5 MAX

PIN CONNECTION

- #1 V.C
- #2 GND
- #3 OUTPUT
- #4 Vcc

ELECTRICAL SPECIFICATION

Frequency range	1.000MHz to 600.000MHz 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 ±2.0 ppm max/ year	
Temperature Range Operating Storage	See Table 2 -55°C to 125°C	
Supply Voltage	3.3V ± 5% 5.0V ± 5%	
Input Current	fo ≤ 25.000MHz	3.3V(max) 10mA
	fo ≤ 50.000MHz	5.0V(max) 15mA
	fo ≤ 80.000MHz	25mA 30mA
	fo ≤ 125.000MHz	30mA 50mA
	fo ≤ 190.000MHz	35mA 60mA
	fo ≤ 400.000MHz	40mA 70mA
	fo ≤ 600.000MHz	50mA 80mA
		60mA 100mA
Output characteristics (Load: 50Ω)	Supply Voltage 3.3V 5.0V	Output Level 0 dBm typ +5 dBm typ
Pull Characteristics		
Pulling Range	±50ppm / ±100 / ±150 ppm min Wide pulling range : contact company	
Control Range (able Negative slope)	1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.0V/2.5V (Vdd : 5.0V)	

OUTPUT WAVEFORM

TEST CIRCUIT

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