

VCXO

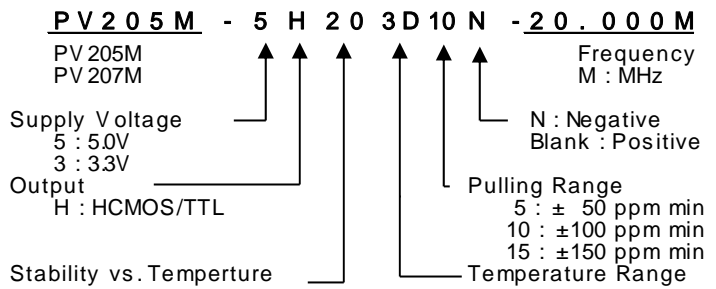
PV205M/PV207M Series

HCMOS/TTL

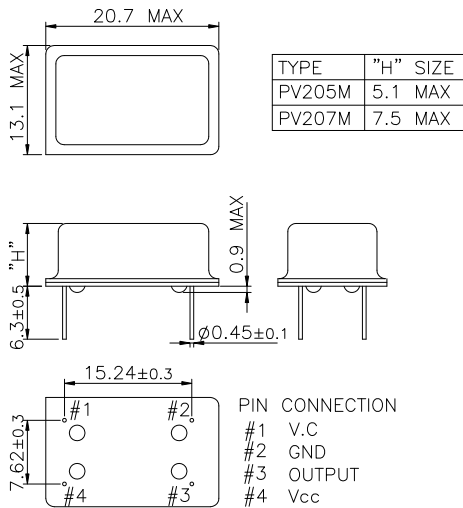
14PIN DIP PACKAGE

Hermetic package

* PART NUMBERING GUIDE



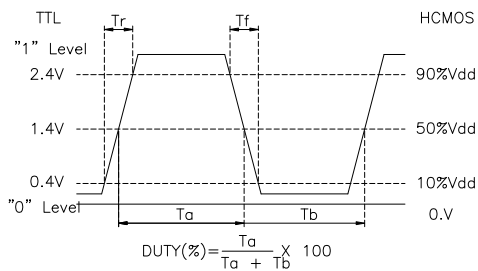
MECHANICAL DIMENSIONS



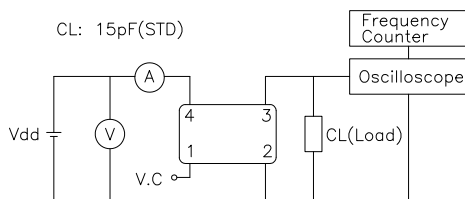
ELECTRICAL SPECIFICATION

Frequency range	1.000KHz to 250.000MHz 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% (1.00KHz ~ 200MHz)																		
Input Current (3.3v)	1.000KHz ~ 40.000MHz ~ 250.000MHz 5mA max ~ 30mA max ~ 50A max																		
Output characteristics HCMOS / TTL	<table border="1"> <thead> <tr> <th></th> <th>HCMOS</th> <th>TTL</th> </tr> </thead> <tbody> <tr> <td>Logic "1"</td> <td>90% Vdd min</td> <td>2.4V min</td> </tr> <tr> <td>Logic "1"</td> <td>10% Vdd max</td> <td>0.4V max</td> </tr> <tr> <td>Load</td> <td>15pF</td> <td>10TTL</td> </tr> <tr> <td>Duty Cycle</td> <td>40/60</td> <td>40/60</td> </tr> <tr> <td>Rise & Fall</td> <td>10nS max</td> <td>10nS max</td> </tr> </tbody> </table>		HCMOS	TTL	Logic "1"	90% Vdd min	2.4V min	Logic "1"	10% Vdd max	0.4V max	Load	15pF	10TTL	Duty Cycle	40/60	40/60	Rise & Fall	10nS max	10nS max
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Pull Characteristics																			
Pulling Range	±50ppm / ±100 / ±150 ppm min Wide pulling range : contact company																		
Control Range	1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.5V (Vdd : 5.0V) 0V ± 5.0V (Vdd : 5.0V, Negative, Positive slope) 0v ± 1.65V (Vdd : 3.3V, Negative, Positive slope)																		

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