

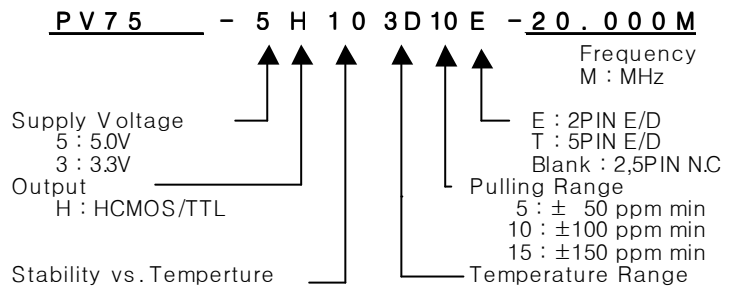
VCXO

PV75 Series

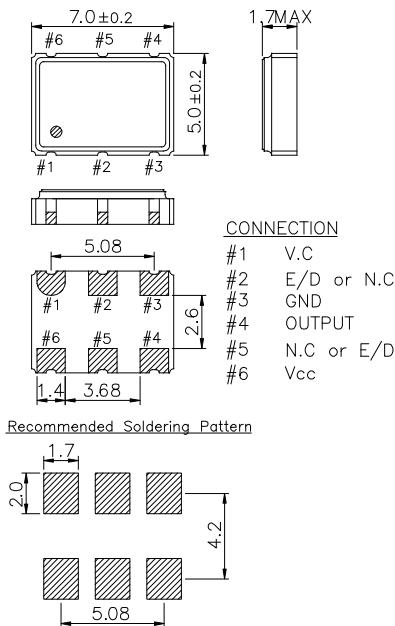
HCMOS/TTL

6PAD SMD PACKAGE

* PART NUMBERING GUIDE



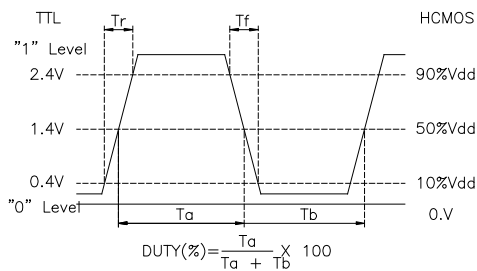
MECHANICAL DIMENSIONS



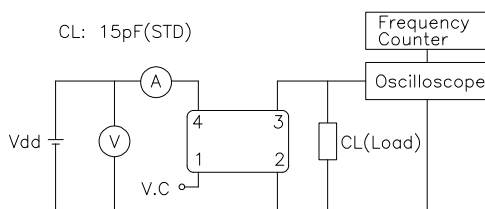
ELECTRICAL SPECIFICATION

Frequency range	1.000MHz to 300.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory		
Frequency Stability vs. Temperature vs. Aging	± 10 ppm to ±50ppm ±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		3.3V	5.0V
	fo ≤ 25.000MHz	15mA	20mA
	fo ≤ 50.000MHz	25mA	30mA
	fo ≤ 80.000MHz	35mA	50mA
	fo ≤ 125.000MHz	40mA	60mA
	fo ≤ 300.000MHz	45mA	70mA
Output characteristics HCMOS / TTL		HCMOS	TTL
Logic "1"	90% Vdd min	2.4V min	
Logic "1"	10% Vdd max	0.4V min	
Load	15pF	10TTL	
Duty Cycle	40/60	40/60	
Rise & Fall	10nS max	10nS max	
Pull Characteristics			
Pulling Range	±50ppm / ±100 / ±150 ppm min		
Control Range	1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.5V (Vdd : 5.0V)		

OUTPUT WAVEFORM



TEST CIRCUIT



ENVIRONMENTAL & 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
		F	85°C