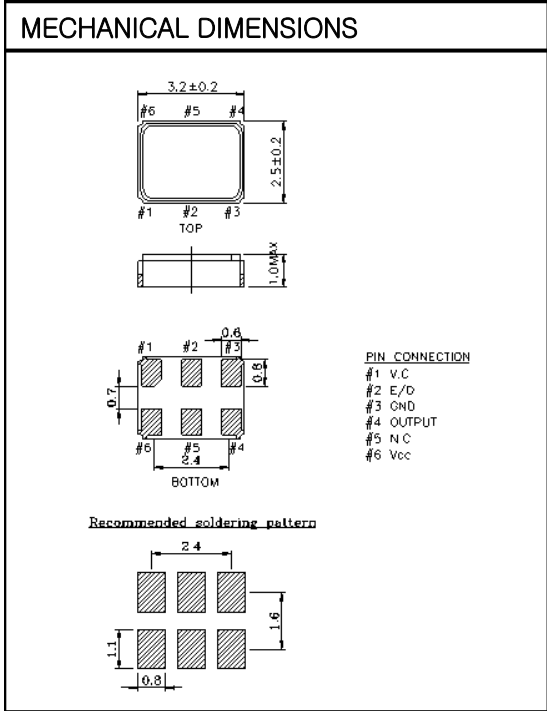
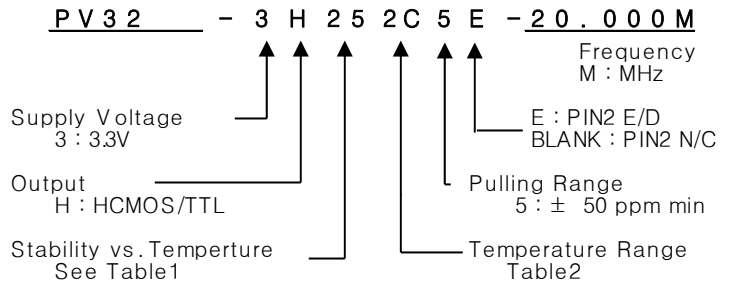


# VCXO

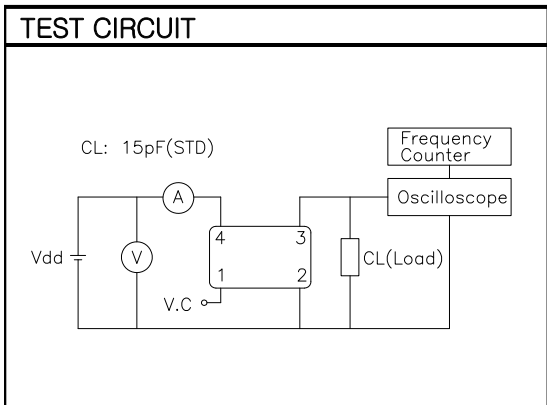
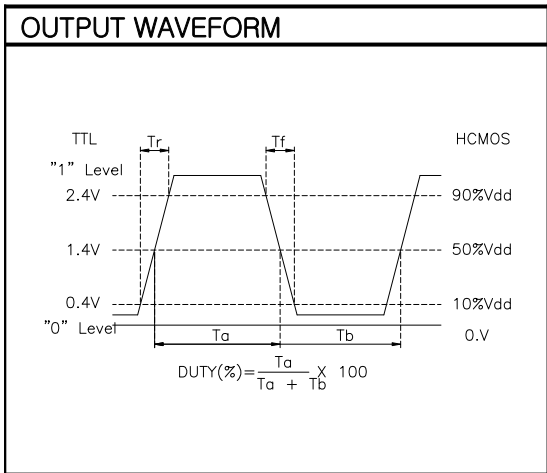
PV32 Series  
HCMOS/TTL  
6PAD SMD PACKAGE

## \* PART NUMBERING GUIDE



### ELECTRICAL SPECIFICATION

Frequency range	2.048MHz to 250.000MHz All combination of Frequency range Vs. Package type can not be available ,please contact factory																			
Frequency Stability vs. Temperature vs. Aging	± 25 ppm to ±50ppm ±3.0 ppm max/ year																			
Temperature Range Operating Storage	See Table 2 -55°C to 125°C																			
Supply Voltage	3.3V ± 5%																			
Input Current	25mA max.																			
Output characteristics HCMOS / TTL	<table border="1"> <tr> <td></td> <td>HCMOS</td> <td>TTL</td> </tr> <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 min</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 &amp; Fall</td> <td>10nS max</td> <td>10nS max</td> </tr> </table>		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	
	HCMOS	TTL																		
Logic "1"	90% Vdd min	2.4V min																		
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Load	15pF	10TTL																		
Duty Cycle	40/60	40/60																		
Rise & Fall	10nS max	10nS max																		
Pull Characteristics																				
Pulling Range Control Range	±50ppm min 1.65V ± 1.5V 10% max.																			
Linearity																				
E/D function	PIN2 : 0.7Vdd min. or open , output Enabled PIN2 : 0.3Vdd max. , output Disabled																			
RMS Jitter(12KHz~20MHz)	1.0ps max.																			



### 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
25	± 25ppm
30	± 30ppm
50	± 50ppm
XX	±XXppm

### 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