

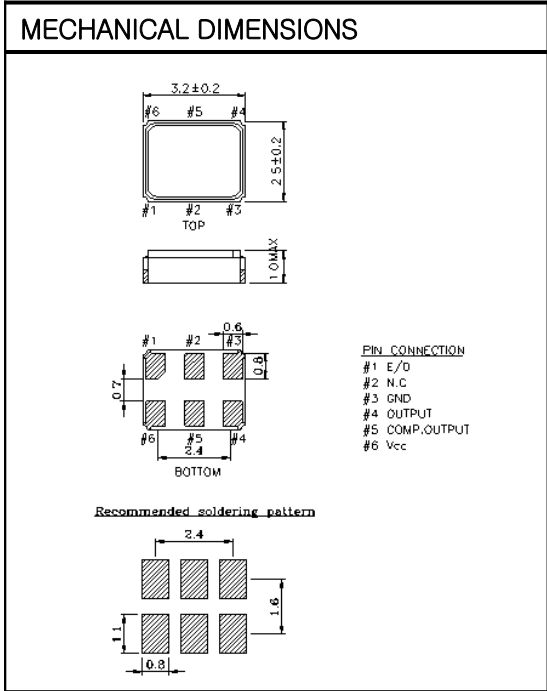
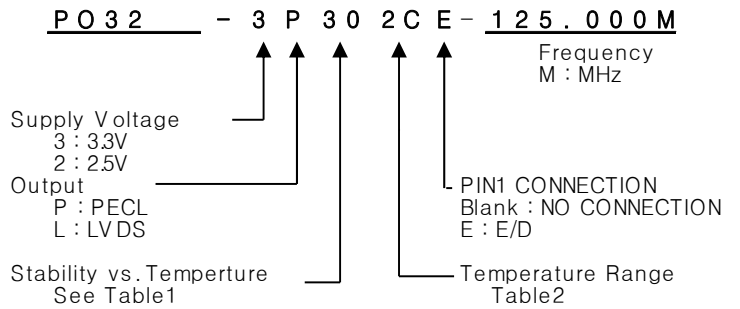
# OSC

## PO32 Series

### PECL/LVDS

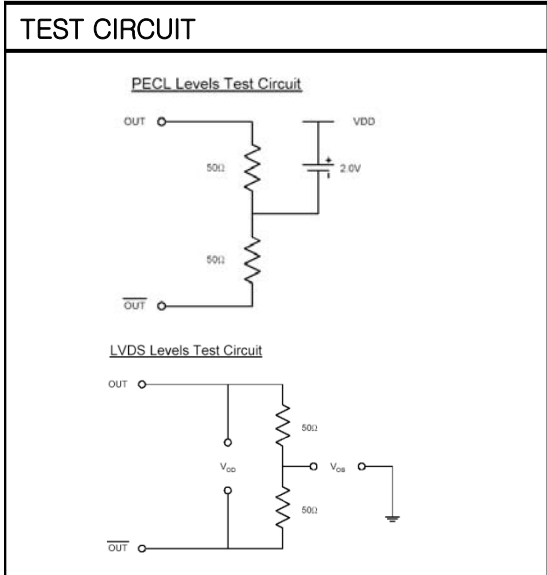
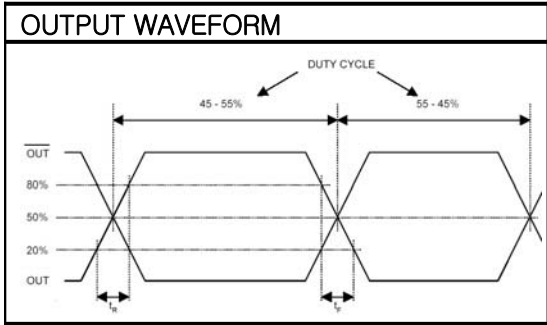
### 6PAD SMD PACKAGE

### \* PART NUMBERING GUIDE



### ELECTRICAL SPECIFICATION

Frequency range	80.000MHz to 250.000MHz All combination of Frequency range Vs. Package type can not be available ,please contact factory																		
Frequency Stability vs. Temperature vs. Aging	±30 ppm to ±50ppm ±3.0 ppm max/ year																		
Temperature Range Operating Storage	See Table 2 -55°C to 125°C																		
Supply Voltage	3.3V ± 10% / 2.5V ± 10%																		
Input Current 3.3 V , 5V	80mA max																		
Output characteristics	<table border="1"> <thead> <tr> <th></th> <th>pecl</th> <th>lvds</th> </tr> </thead> <tbody> <tr> <td>Voh Logic "1"</td> <td>Vdd-1.025v min.</td> <td>1.6V max.</td> </tr> <tr> <td>Vol Logic "0"</td> <td>Vdd-1.620v max.</td> <td>0.9V min.</td> </tr> <tr> <td>Rise Time Tr</td> <td>2.0 nsec max.</td> <td>2.0 nsec max.</td> </tr> <tr> <td>Fall Time Tf</td> <td>2.0 nsec max.</td> <td>2.0 nsec max.</td> </tr> <tr> <td>Duty Cycle</td> <td>50//50 ± 5%</td> <td>50//50 ± 5%</td> </tr> </tbody> </table>		pecl	lvds	Voh Logic "1"	Vdd-1.025v min.	1.6V max.	Vol Logic "0"	Vdd-1.620v max.	0.9V min.	Rise Time Tr	2.0 nsec max.	2.0 nsec max.	Fall Time Tf	2.0 nsec max.	2.0 nsec max.	Duty Cycle	50//50 ± 5%	50//50 ± 5%
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Phase Jitter (12KHz ~ 20MHz)	1.0 psec RMS max.																		
Pin 1 Tri-State Input Voltage	<table border="1"> <thead> <tr> <th>No Connection</th> <th>Enable Output</th> </tr> </thead> <tbody> <tr> <td>Vh ≥ 0.7 Vdc</td> <td>Enable Output</td> </tr> <tr> <td>Vi ≤ 0.3 Vdc</td> <td>Disable Output</td> </tr> </tbody> </table>	No Connection	Enable Output	Vh ≥ 0.7 Vdc	Enable Output	Vi ≤ 0.3 Vdc	Disable Output												
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### 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
30	± 30ppm
35	± 35ppm
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
		F	85°C