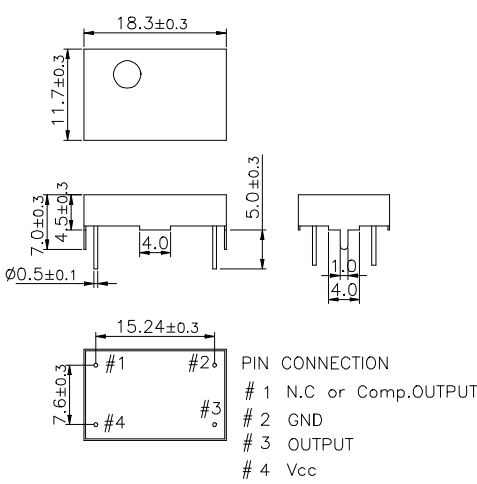
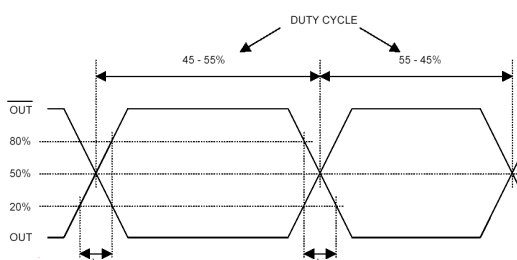
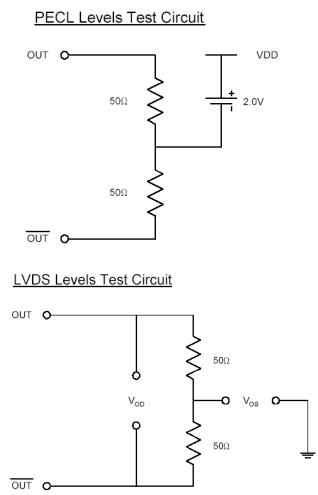


MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																									
 <p>PIN CONNECTION</p> <ul style="list-style-type: none"> # 1 N.C or Comp.OUTPUT # 2 GND # 3 OUTPUT # 4 Vcc 	<table border="1"> <tr> <td>Frequency range</td> <td>0.75MHz to 800.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory.</td> </tr> </table>		Frequency range	0.75MHz to 800.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory.																																						
Frequency range	0.75MHz to 800.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory.																																									
<p>OUTPUT WAVEFORM</p> 	<table border="1"> <tr> <td>Frequency Stability vs. Temperature</td> <td>±0.5 ppm to ±5.0ppm</td> </tr> <tr> <td>vs. Supply Voltage</td> <td>±0.1 / ±0.3 ppm max / Vdd ± 5%</td> </tr> <tr> <td>vs. Load</td> <td>±0.2 ppm max /15pF ±10%</td> </tr> <tr> <td>vs. Aging</td> <td>±1.0 ppm max/ year</td> </tr> </table>		Frequency Stability vs. Temperature	±0.5 ppm to ±5.0ppm	vs. Supply Voltage	±0.1 / ±0.3 ppm max / Vdd ± 5%	vs. Load	±0.2 ppm max /15pF ±10%	vs. Aging	±1.0 ppm max/ year																																
Frequency Stability vs. Temperature	±0.5 ppm to ±5.0ppm																																									
vs. Supply Voltage	±0.1 / ±0.3 ppm max / Vdd ± 5%																																									
vs. Load	±0.2 ppm max /15pF ±10%																																									
vs. Aging	±1.0 ppm max/ year																																									
<p>TEST CIRCUIT</p> 	<table border="1"> <tr> <td>Temperature Range</td> <td>See Table 2</td> </tr> <tr> <td>Operating</td> <td>-55°C to 125°C</td> </tr> <tr> <td>Storage</td> <td></td> </tr> </table>		Temperature Range	See Table 2	Operating	-55°C to 125°C	Storage																																			
Temperature Range	See Table 2																																									
Operating	-55°C to 125°C																																									
Storage																																										
	<table border="1"> <tr> <td>Supply Voltage</td> <td>3.3V ± 5%</td> </tr> <tr> <td></td> <td>5.0V ± 5%</td> </tr> <tr> <td>Input Current</td> <td>24.000MHz ~ 800.000MHz</td> </tr> <tr> <td>3.3 V , 5V</td> <td>25mA max ~ 100mA max</td> </tr> </table>		Supply Voltage	3.3V ± 5%		5.0V ± 5%	Input Current	24.000MHz ~ 800.000MHz	3.3 V , 5V	25mA max ~ 100mA max																																
Supply Voltage	3.3V ± 5%																																									
	5.0V ± 5%																																									
Input Current	24.000MHz ~ 800.000MHz																																									
3.3 V , 5V	25mA max ~ 100mA max																																									
	<table border="1"> <tr> <td rowspan="7">Output characteristics</td> <td></td> <td>pecl</td> <td>lvds</td> </tr> <tr> <td>Voh Logic "1"</td> <td>Vdd-1.025v min.</td> <td>1.43v typ.</td> </tr> <tr> <td>Vol Logic "0"</td> <td>Vdd-1.620v max.</td> <td>1.10v typ.</td> </tr> <tr> <td>Rise Time Tr</td> <td>1.0 nsec max.</td> <td>1.0 nsec max.</td> </tr> <tr> <td>Fall Time Tf</td> <td>1.0 nsec min.</td> <td>1.0 nsec min.</td> </tr> <tr> <td>Duty Cycle</td> <td>50//50 ± 5%</td> <td>50//50 ± 5%</td> </tr> <tr> <td>Differential Output</td> <td>Vod(Lvds)</td> <td>330mV typ.</td> </tr> <tr> <td>Offset Voltage</td> <td>Vos(Lvds)</td> <td>1.2V typ.</td> </tr> </table>		Output characteristics		pecl	lvds	Voh Logic "1"	Vdd-1.025v min.	1.43v typ.	Vol Logic "0"	Vdd-1.620v max.	1.10v typ.	Rise Time Tr	1.0 nsec max.	1.0 nsec max.	Fall Time Tf	1.0 nsec min.	1.0 nsec min.	Duty Cycle	50//50 ± 5%	50//50 ± 5%	Differential Output	Vod(Lvds)	330mV typ.	Offset Voltage	Vos(Lvds)	1.2V typ.															
Output characteristics		pecl		lvds																																						
	Voh Logic "1"	Vdd-1.025v min.		1.43v typ.																																						
	Vol Logic "0"	Vdd-1.620v max.		1.10v typ.																																						
	Rise Time Tr	1.0 nsec max.		1.0 nsec max.																																						
	Fall Time Tf	1.0 nsec min.		1.0 nsec min.																																						
	Duty Cycle	50//50 ± 5%		50//50 ± 5%																																						
	Differential Output	Vod(Lvds)	330mV typ.																																							
Offset Voltage	Vos(Lvds)	1.2V typ.																																								
	<table border="1"> <tr> <td>Phase Noise (typical) 20MHz offset</td> <td>-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz</td> </tr> </table>		Phase Noise (typical) 20MHz offset	-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz																																						
Phase Noise (typical) 20MHz offset	-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz																																									
	<table border="1"> <tr> <td>Frequency Adjustment</td> <td>±3ppm min by internal trimmer</td> </tr> </table>		Frequency Adjustment	±3ppm min by internal trimmer																																						
Frequency Adjustment	±3ppm min by internal trimmer																																									
	<p>ENVIROMENTAL & MECHANICAL SPECIFICATION</p> <table border="1"> <tr> <td>Shock</td> <td>MIL-STD-883C, Method 2002, Condition B</td> </tr> <tr> <td>Vibration</td> <td>MIL-STD-883C, Method 2007, Condition A</td> </tr> <tr> <td>Solderability</td> <td>MIL-STD-883C, Method 2003</td> </tr> <tr> <td>Seal integrity</td> <td>MIL-STD-883C, Method 1014, Condition C & A2</td> </tr> <tr> <td>Marking</td> <td>MIL-STD-202F, Method 215</td> </tr> </table>		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																														
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																																									
	<table border="1"> <tr> <th colspan="2">TABLE1</th> <th colspan="2">TABLE2</th> </tr> <tr> <th>Symbol</th> <th>Stability</th> <th>Symbol</th> <th>Temp.</th> </tr> <tr> <td>05</td> <td>±0.5ppm</td> <td>0</td> <td>0°C</td> </tr> <tr> <td>10</td> <td>±1.0ppm</td> <td>A</td> <td>50°C</td> </tr> <tr> <td>15</td> <td>±1.5ppm</td> <td>1</td> <td>-10°C</td> </tr> <tr> <td>20</td> <td>±2.0ppm</td> <td>2</td> <td>-20°C</td> </tr> <tr> <td>25</td> <td>±2.5ppm</td> <td>3</td> <td>-30°C</td> </tr> <tr> <td>30</td> <td>±3.0ppm</td> <td>4</td> <td>-40°C</td> </tr> <tr> <td>35</td> <td>±3.5ppm</td> <td></td> <td></td> </tr> <tr> <td>50</td> <td>±5.0ppm</td> <td>F</td> <td>85°C</td> </tr> </table>		TABLE1		TABLE2		Symbol	Stability	Symbol	Temp.	05	±0.5ppm	0	0°C	10	±1.0ppm	A	50°C	15	±1.5ppm	1	-10°C	20	±2.0ppm	2	-20°C	25	±2.5ppm	3	-30°C	30	±3.0ppm	4	-40°C	35	±3.5ppm			50	±5.0ppm	F	85°C
TABLE1		TABLE2																																								
Symbol	Stability	Symbol	Temp.																																							
05	±0.5ppm	0	0°C																																							
10	±1.0ppm	A	50°C																																							
15	±1.5ppm	1	-10°C																																							
20	±2.0ppm	2	-20°C																																							
25	±2.5ppm	3	-30°C																																							
30	±3.0ppm	4	-40°C																																							
35	±3.5ppm																																									
50	±5.0ppm	F	85°C																																							