

MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																											
<p><b>CONNECTION</b></p> <ul style="list-style-type: none"> <li>#1 V.C</li> <li>#2 E/D or N.C</li> <li>#3 GND</li> <li>#4 OUTPUT</li> <li>#5 COMP.OUTPUT</li> <li>#6 Vcc</li> </ul> <p><b>Recommended Soldering Pattern</b></p>	<p>Frequency range</p> <p>19.000MHz to 300.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory</p>																																											
	<p>Frequency Stability vs. Temperature vs. Aging</p> <p>± 10 ppm to ±50ppm ±3.0 ppm max/ year</p>																																											
	<p>Temperature Range Operating Storage</p> <p>See Table 2 -55°C to 105°C</p>																																											
	<p>Supply Voltage</p> <p>3.3V ± 5%</p>																																											
	<p>Input Current 3.3 V , 5V</p> <p>19.000MHz ~ 300.000MHz 35mA max ~ 80mA max</p>																																											
<p><b>OUTPUT WAVEFORM</b></p>	<p>Output characteristics</p> <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>1.43v 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 Vod(Lvds)</td> <td></td> <td>330mV typ.</td> </tr> <tr> <td>Offset Voltage Vos(Lvds)</td> <td></td> <td>1.2V typ</td> </tr> </tbody> </table>		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																			
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<p><b>TEST CIRCUIT</b></p>	<p>Pull Characteristics</p> <p>Pulling Range</p> <p>±50ppm / ±100 / ±150 ppm min</p> <p>Control Range</p> <p>1.65V ± 1.5V ( Vdd : 3.3V )</p>	<p>JITTER (RMS)</p> <p>Phase Jitter (12KHz ~ 20MHz) 1.0 psec MAX</p>																																										
	<p><b>ENVIROMENTAL &amp; MECHANICAL SPECIFICATION</b></p>																																											
	<p>Shock Vibration Solderability Seal integrity Marking</p>	<p>MIL-STD-883C, Method 2002, Condition B MIL-STD-883C, Method 2007, Condition A MIL-STD-883C, Method 2003 MIL-STD-883C, Method 1014, Condition C &amp; A2 MIL-STD-202F, Method 215</p>																																										
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