

MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																													
<p>5.0±0.2 #4 #3 #1 #2 1.23MAX 1.2 #1 #2 #3 #4 2.54 1.0 CONNECTION #1V.C #2GND #3OUTPUT #4Vcc Recommended Soldering Pattern 2.54 1.2 1.4 2.2</p>	<p>Frequency range</p> <p>1.544MHz to 77.760MHz 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% 5.0V ± 5%</p>																																													
	<p>Input Current 3.3 V , 5V</p> <p>1.544MHz ~ 77.760MHz 10mA max ~ 60mA max</p>																																													
	<p>Output characteristics HCMOS / TTL</p> <table border="1" data-bbox="927 1093 1517 1301"> <thead> <tr> <th></th> <th>HCMOS</th> <th>TTL</th> </tr> </thead> <tbody> <tr> <td>Logic "1"</td> <td>90% Vdd min</td> <td>2.4V min</td> </tr> <tr> <td>Logic "0"</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 & Fall</td> <td>10nS max</td> <td>10nS max</td> </tr> </tbody> </table>		HCMOS	TTL	Logic "1"	90% Vdd min	2.4V min	Logic "0"	10% Vdd max	0.4V min	Load	15pF	10TTL	Duty Cycle	40/60	40/60	Rise & Fall	10nS max	10nS max																											
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<h3>OUTPUT WAVEFORM</h3>	<p>Pull Characteristics</p>																																													
<p>TTL HCMOS "1" Level 2.4V 90%Vdd 1.4V 50%Vdd 0.4V 10%Vdd "0" Level 0.0V Tr Tf Ta Tb $DUTY(\%) = \frac{T_a}{T_a + T_b} \times 100$</p>	<p>Pulling Range</p> <p>±50ppm / ±100 / ±150 ppm min</p>																																													
	<p>Control Range</p> <p>1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.5V (Vdd : 5.0V)</p>																																													
<h3>TEST CIRCUIT</h3>	<h3>ENVIROMENTAL & MECHANICAL SPECIFICATION</h3>																																													
<p>CL: 15pF(STD) Frequency Counter Oscilloscope Vdd V A V.C CL(Load)</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 & A2 MIL-STD-202F, Method 215</p>																																												
	<h4>TABLE1</h4> <table border="1" data-bbox="635 1771 927 2087"> <thead> <tr> <th>Symbol</th> <th>Stability</th> </tr> </thead> <tbody> <tr><td>10</td><td>± 10ppm</td></tr> <tr><td>15</td><td>± 15ppm</td></tr> <tr><td>20</td><td>± 20ppm</td></tr> <tr><td>30</td><td>± 30ppm</td></tr> <tr><td>50</td><td>± 50ppm</td></tr> <tr><td>100</td><td>±100ppm</td></tr> </tbody> </table>	Symbol	Stability	10	± 10ppm	15	± 15ppm	20	± 20ppm	30	± 30ppm	50	± 50ppm	100	±100ppm	<h4>TABLE2</h4> <table border="1" data-bbox="927 1771 1517 2087"> <thead> <tr> <th>Symbol</th> <th>Temp.</th> <th>Symbol</th> <th>Temp.</th> </tr> </thead> <tbody> <tr><td>0</td><td>0°C</td><td>A</td><td>50°C</td></tr> <tr><td>1</td><td>-10°C</td><td>B</td><td>60°C</td></tr> <tr><td>2</td><td>-20°C</td><td>C</td><td>70°C</td></tr> <tr><td>3</td><td>-30°C</td><td>D</td><td>75°C</td></tr> <tr><td>4</td><td>-40°C</td><td>E</td><td>80°C</td></tr> <tr><td></td><td></td><td>F</td><td>85°C</td></tr> </tbody> </table>			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
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