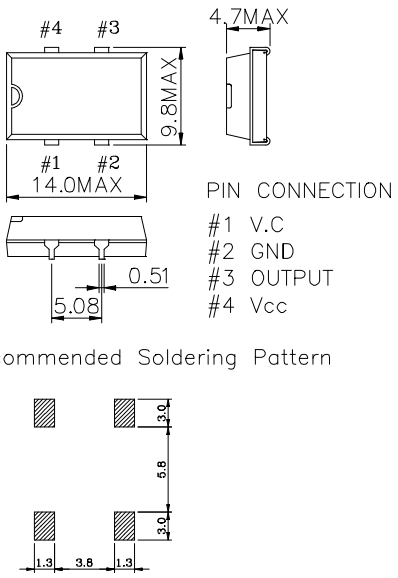
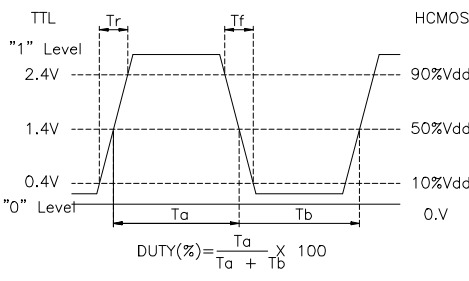
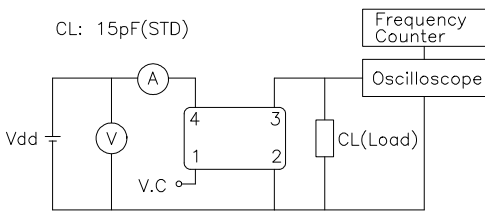


MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																									
 <p>PIN CONNECTION</p> <p>#1 V.C #2 GND #3 OUTPUT #4 Vcc</p> <p>Recommended Soldering Pattern</p>	<p>Frequency range</p> <p>1.000MHz to 200.000MHz</p> <p>All combination of Frequency range Vs. Package type might not 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</p> <p>Operating: See Table 2 Storage: -55°C to 105°C</p>																																									
	<p>Supply Voltage</p> <p>3.3V ± 5% 5.0V ± 5%</p>																																									
	<p>Input Current</p> <p>3.3 V , 5V</p>	<p>1.000KHz ~ 40.000MHz ~ 800.000MHz 15mA max ~ 30mA max ~ 100mA max</p>																																								
	<p>Output characteristics</p> <p>HCMOS / TTL</p>	<table border="1"> <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>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>Shock: MIL-STD-883C, Method 2002, Condition B</p> <p>Vibration: MIL-STD-883C, Method 2007, Condition A</p> <p>Solderability: MIL-STD-883C, Method 2003</p> <p>Seal integrity: MIL-STD-883C, Method 1014, Condition C & A2</p> <p>Marking: MIL-STD-202F, Method 215</p>																																									
	<h4>TABLE1</h4> <table border="1"> <thead> <tr> <th>Symbol</th> <th>Stability</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>± 20ppm</td> </tr> <tr> <td>25</td> <td>± 25ppm</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	20	± 20ppm	25	± 25ppm	30	± 30ppm	50	± 50ppm	100	±100ppm	<h4>TABLE2</h4> <table border="1"> <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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