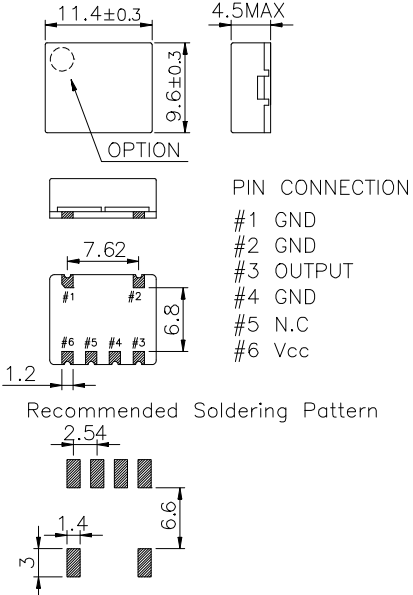
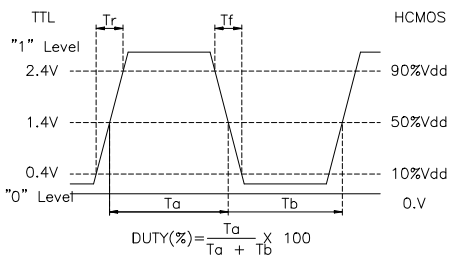
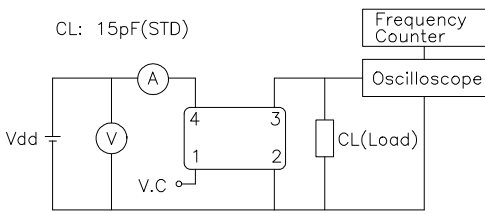


MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																																			
 <p>PIN CONNECTION</p> <ul style="list-style-type: none"> #1 GND #2 GND #3 OUTPUT #4 GND #5 N.C #6 Vcc <p>Recommended Soldering Pattern</p>	<table border="1"> <tr> <td>Frequency range</td> <td colspan="3">1.000KHz to 800.000MHz</td> </tr> <tr> <td colspan="4">All combination of Frequency range Vs. Package type might not be available ,please contact factory.</td> </tr> </table>				Frequency range	1.000KHz to 800.000MHz			All combination of Frequency range Vs. Package type might not be available ,please contact factory.																																											
Frequency range	1.000KHz 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</td> <td colspan="3">vs. Temperature vs. Supply Voltage vs. Load vs. Aging</td> </tr> <tr> <td colspan="4">±1.0 ppm to ±5.0ppm ±0.2 ppm max / Vdd ± 5% ±0.2 ppm max /15pF ±10% ±1.0 ppm max/ year</td> </tr> </table>				Frequency Stability	vs. Temperature vs. Supply Voltage vs. Load vs. Aging			±1.0 ppm to ±5.0ppm ±0.2 ppm max / Vdd ± 5% ±0.2 ppm max /15pF ±10% ±1.0 ppm max/ year																																											
Frequency Stability	vs. Temperature vs. Supply Voltage vs. Load vs. Aging																																																			
±1.0 ppm to ±5.0ppm ±0.2 ppm max / Vdd ± 5% ±0.2 ppm max /15pF ±10% ±1.0 ppm max/ year																																																				
<p>TEST CIRCUIT</p> 	<table border="1"> <tr> <td>Temperature Range</td> <td colspan="3">Operating Storage</td> </tr> <tr> <td colspan="4">See Table 2 -55°C to 125°C</td> </tr> </table>				Temperature Range	Operating Storage			See Table 2 -55°C to 125°C																																											
Temperature Range	Operating Storage																																																			
See Table 2 -55°C to 125°C																																																				
<p>ENVIRONMENTAL & MECHANICAL SPECIFICATION</p> <table border="1"> <tr> <td>Shock</td> <td colspan="3">MIL-STD-883C, Method 2002, Condition B</td> </tr> <tr> <td>Vibration</td> <td colspan="3">MIL-STD-883C, Method 2007, Condition A</td> </tr> <tr> <td>Solderability</td> <td colspan="3">MIL-STD-883C, Method 2003</td> </tr> <tr> <td>Seal integrity</td> <td colspan="3">MIL-STD-883C, Method 1014, Condition C & A2</td> </tr> <tr> <td>Marking</td> <td colspan="3">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			<table border="1"> <tr> <td>Supply Voltage</td> <td colspan="3">3.3V ± 5% 5.0V ± 5%</td> </tr> <tr> <td>Input Current</td> <td colspan="3">1.000KHz ~ 40.000MHz ~ 800.000MHz 15mA max ~ 30mA max ~ 50mA max</td> </tr> </table>				Supply Voltage	3.3V ± 5% 5.0V ± 5%			Input Current	1.000KHz ~ 40.000MHz ~ 800.000MHz 15mA max ~ 30mA max ~ 50mA max																						
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																																																			
Supply Voltage	3.3V ± 5% 5.0V ± 5%																																																			
Input Current	1.000KHz ~ 40.000MHz ~ 800.000MHz 15mA max ~ 30mA max ~ 50mA max																																																			
<p>TABLE1</p> <table border="1"> <thead> <tr> <th>Symbol</th> <th>Stability</th> </tr> </thead> <tbody> <tr><td>05</td><td>±0.5ppm</td></tr> <tr><td>10</td><td>±1.0ppm</td></tr> <tr><td>15</td><td>±1.5ppm</td></tr> <tr><td>20</td><td>±2.0ppm</td></tr> <tr><td>25</td><td>±2.5ppm</td></tr> <tr><td>30</td><td>±3.0ppm</td></tr> <tr><td>35</td><td>±3.5ppm</td></tr> <tr><td>50</td><td>±5.0ppm</td></tr> </tbody> </table>	Symbol	Stability	05	±0.5ppm	10	±1.0ppm	15	±1.5ppm	20	±2.0ppm	25	±2.5ppm	30	±3.0ppm	35	±3.5ppm	50	±5.0ppm	<table border="1"> <tr> <td>Output characteristics</td> <td colspan="3"> <table border="1"> <tr> <th></th> <th>HCMOS</th> <th>TTL</th> </tr> <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> </table> </td> </tr> <tr> <td>Phase Noise (typical)</td> <td colspan="3"> 20MHz offset -80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz </td> </tr> <tr> <td>Frequency Adjustment</td> <td colspan="3">±3ppm min by internal trimmer (OPTION)</td> </tr> </table>				Output characteristics	<table border="1"> <tr> <th></th> <th>HCMOS</th> <th>TTL</th> </tr> <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> </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	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			Frequency Adjustment	±3ppm min by internal trimmer (OPTION)		
Symbol	Stability																																																			
05	±0.5ppm																																																			
10	±1.0ppm																																																			
15	±1.5ppm																																																			
20	±2.0ppm																																																			
25	±2.5ppm																																																			
30	±3.0ppm																																																			
35	±3.5ppm																																																			
50	±5.0ppm																																																			
Output characteristics	<table border="1"> <tr> <th></th> <th>HCMOS</th> <th>TTL</th> </tr> <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> </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																															
	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																																																		
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																																																			
Frequency Adjustment	±3ppm min by internal trimmer (OPTION)																																																			
<p>TABLE2</p> <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																								
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																																																	