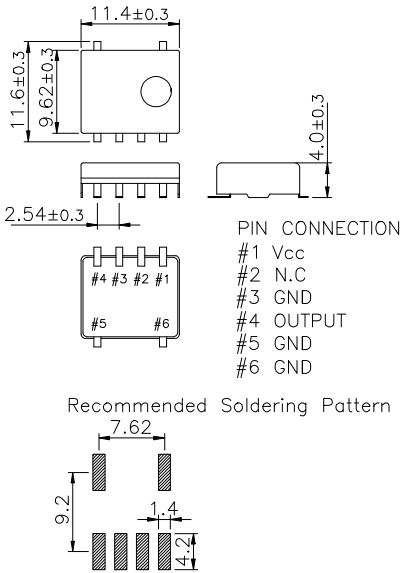
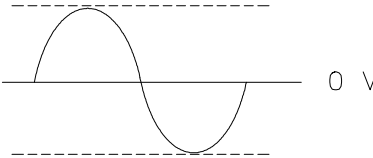
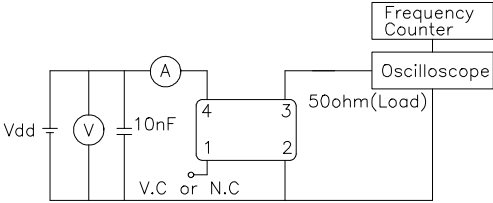


MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																													
 <p>PIN CONNECTION</p> <ul style="list-style-type: none"> <li>#1 Vcc</li> <li>#2 N.C</li> <li>#3 GND</li> <li>#4 OUTPUT</li> <li>#5 GND</li> <li>#6 GND</li> </ul> <p>Recommended Soldering Pattern</p>	<table border="1"> <tr> <td>Frequency range</td> <td>10.000MHz to 50.000MHz</td> </tr> </table>		Frequency range	10.000MHz to 50.000MHz																										
Frequency range	10.000MHz to 50.000MHz																													
<p>OUTPUT WAVEFORM</p> 	<table border="1"> <tr> <td>Frequency Stability</td> <td>vs. Temperature</td> <td>±0.5 ppm to ±5.0ppm</td> </tr> <tr> <td></td> <td>vs. Supply Voltage</td> <td>±0.1 / ±0.2 ppm max / Vdd ± 5%</td> </tr> <tr> <td></td> <td>vs. Load</td> <td>±0.2 ppm max / 15pF ±10%</td> </tr> <tr> <td></td> <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 / ±0.2 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 / ±0.2 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>Operating</td> <td>See Table 2</td> </tr> <tr> <td></td> <td>Storage</td> <td>-55°C to 125°C</td> </tr> </table>		Temperature Range	Operating	See Table 2		Storage	-55°C to 125°C																						
Temperature Range	Operating	See Table 2																												
	Storage	-55°C to 125°C																												
	<table border="1"> <tr> <td>Supply Voltage</td> <td>3.3V ± 5%</td> <td>5.0V ± 5%</td> </tr> </table>		Supply Voltage	3.3V ± 5%	5.0V ± 5%																									
Supply Voltage	3.3V ± 5%	5.0V ± 5%																												
	<table border="1"> <tr> <td>Input Current</td> <td colspan="2"></td> </tr> <tr> <td>Sinewave</td> <td>10.00MHz</td> <td>~ 50.000MHz</td> </tr> <tr> <td></td> <td>12.0mA max</td> <td>~ 20mA max</td> </tr> </table>		Input Current			Sinewave	10.00MHz	~ 50.000MHz		12.0mA max	~ 20mA max																			
Input Current																														
Sinewave	10.00MHz	~ 50.000MHz																												
	12.0mA max	~ 20mA max																												
	<table border="1"> <tr> <td>Output characteristics</td> <td>Level</td> <td>3.3V</td> <td>Sinewave</td> <td>0 dBm typ</td> </tr> <tr> <td></td> <td></td> <td>5.0V</td> <td></td> <td>10 dBm typ</td> </tr> <tr> <td></td> <td>Load</td> <td></td> <td></td> <td>50Ω</td> </tr> </table>		Output characteristics	Level	3.3V	Sinewave	0 dBm typ			5.0V		10 dBm typ		Load			50Ω													
Output characteristics	Level	3.3V	Sinewave	0 dBm typ																										
		5.0V		10 dBm typ																										
	Load			50Ω																										
	<table border="1"> <tr> <td>Phase Noise (typical)</td> <td colspan="3">-80 dBc / Hz @ 10Hz</td> </tr> <tr> <td></td> <td colspan="3">-120 dBc / Hz @ 100Hz</td> </tr> <tr> <td></td> <td colspan="3">-135 dBc / Hz @ 1KHz</td> </tr> <tr> <td></td> <td colspan="3">-140 dBc / Hz @ 10KHz</td> </tr> <tr> <td></td> <td colspan="3">-145 dBc / Hz @100KHz</td> </tr> </table>		Phase Noise (typical)	-80 dBc / Hz @ 10Hz				-120 dBc / Hz @ 100Hz				-135 dBc / Hz @ 1KHz				-140 dBc / Hz @ 10KHz				-145 dBc / Hz @100KHz										
Phase Noise (typical)	-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 &amp; 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 &amp; 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																													
	<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										
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																													
	<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																											