

MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																															
<p>PIN CONNECTION</p> <ul style="list-style-type: none"> #1 N.C #2 GND #3 OUTPUT #4 Vcc <p>Recommended Soldering Pattern</p>	<p>Frequency range</p> <p>10.000MHz to 40.000MHz Contact us if need high frequency</p>																																															
	<p>Frequency Stability</p> <ul style="list-style-type: none"> vs. Temperature ± 0.5 ppm to ± 5.0ppm vs. Supply Voltage ± 0.2 ppm max / $V_{dd} \pm 5\%$ vs. Load ± 0.2 ppm max / $15\text{pF} \pm 10\%$ vs. Aging ± 1.0 ppm max/ year 																																															
	<p>Temperature Range</p> <ul style="list-style-type: none"> Operating See Table 2 Storage -55°C to 125°C 																																															
	<p>Supply Voltage</p> <p>$3.3\text{V} \pm 5\%$ $5.0\text{V} \pm 5\%$</p>																																															
	<p>Input Current</p> <p>Clipped sinewave</p> <p>10.00MHz \sim 40.000MHz 2.0mA max \sim 4mA max</p>																																															
	<p>Output characteristics</p> <p>Level 3.3V 0.8Vp-p min 5.0V 1.0Vp-p min</p> <p>Load 10kΩ//10pF</p>																																															
	<p>Phase Noise (typical)</p> <p>20MHz offset</p> <p>-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz</p>																																															
	<p>Frequency Adjustment ± 3ppm min by internal trimmer (OPTION)</p>																																															
<p>OUTPUT WAVEFORM</p>	<p>ENVIROMENTAL & MECHANICAL SPECIFICATION</p>																																															
<p>TEST CIRCUIT</p>	<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>																																															
	<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	± 0.5 ppm	10	± 1.0 ppm	15	± 1.5 ppm	20	± 2.0 ppm	25	± 2.5 ppm	30	± 3.0 ppm	35	± 3.5 ppm	50	± 5.0 ppm	<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$^{\circ}\text{C}$</td><td>A</td><td>50$^{\circ}\text{C}$</td></tr> <tr><td>1</td><td>-10$^{\circ}\text{C}$</td><td>B</td><td>60$^{\circ}\text{C}$</td></tr> <tr><td>2</td><td>-20$^{\circ}\text{C}$</td><td>C</td><td>70$^{\circ}\text{C}$</td></tr> <tr><td>3</td><td>-30$^{\circ}\text{C}$</td><td>D</td><td>75$^{\circ}\text{C}$</td></tr> <tr><td>4</td><td>-40$^{\circ}\text{C}$</td><td>E</td><td>80$^{\circ}\text{C}$</td></tr> <tr><td></td><td></td><td>F</td><td>85$^{\circ}\text{C}$</td></tr> </tbody> </table>	Symbol	Temp.	Symbol	Temp.	0	0 $^{\circ}\text{C}$	A	50 $^{\circ}\text{C}$	1	-10 $^{\circ}\text{C}$	B	60 $^{\circ}\text{C}$	2	-20 $^{\circ}\text{C}$	C	70 $^{\circ}\text{C}$	3	-30 $^{\circ}\text{C}$	D	75 $^{\circ}\text{C}$	4	-40 $^{\circ}\text{C}$	E	80 $^{\circ}\text{C}$			F	85 $^{\circ}\text{C}$
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