

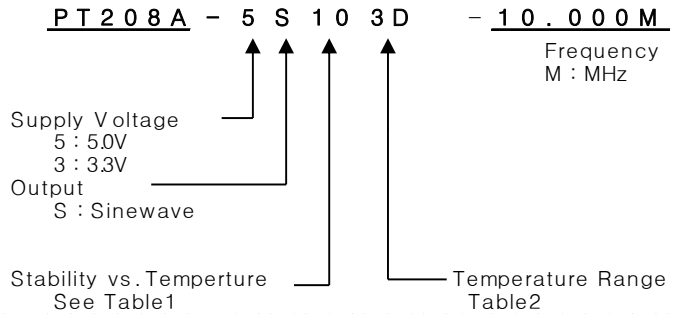
TCXO

PT208A Series

Sinewave

4PIN DIP PACKAGE

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																										
<p style="text-align: right;">PIN CONNECTION #1 N.C #2 GND #3 OUTPUT #4 Vcc</p>	Frequency range	1.00MHz to 600.000MHz (All combinations for Frequency in the range and temp. stability can't be available, please contact factory.)																																									
	Frequency Stability vs. Temperature vs. Supply Voltage vs. Load vs. Aging	±0.5 ppm to ±5.0ppm ±0.1 / ±0.2 ppm max / Vdd ± 5% ±0.2 ppm max /15pF ±10% ±1.0 ppm max/ year																																									
	Temperature Range Operating Storage	See Table 2 -55°C to 125°C																																									
	Supply Voltage	3.3V ± 5% 5.0V ± 5%																																									
	Input Current Sinewave	1.00MHz 10.0mA max	~	600.000MHz 50mA max																																							
	Output characteristics	Level 3.3V 5.0V Load	Sinewave 0 dBm typ +5 dBm typ 50Ω																																								
	Phase Noise (typical) @20MHz	-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																																									
	ENVIROMENTAL & MECHANICAL SPECIFICATION																																										
	Shock Vibration Solderability Seal integrity Marking	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																																									
OUTPUT WAVEFORM																																											
TEST CIRCUIT																																											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">TABLE1</th> <th colspan="2">TABLE2</th> </tr> <tr> <th>Symbol</th> <th>Stability</th> <th>Symbol</th> <th>Temp.</th> </tr> </thead> <tbody> <tr> <td>05</td> <td>±0.5ppm</td> <td>0</td> <td>0°C</td> </tr> <tr> <td>10</td> <td>±1.0ppm</td> <td>A</td> <td>50°C</td> </tr> <tr> <td>15</td> <td>±1.5ppm</td> <td>1</td> <td>-10°C</td> </tr> <tr> <td>20</td> <td>±2.0ppm</td> <td>2</td> <td>-20°C</td> </tr> <tr> <td>25</td> <td>±2.5ppm</td> <td>3</td> <td>-30°C</td> </tr> <tr> <td>30</td> <td>±3.0ppm</td> <td>4</td> <td>-40°C</td> </tr> <tr> <td>35</td> <td>±3.5ppm</td> <td></td> <td></td> </tr> <tr> <td>50</td> <td>±5.0ppm</td> <td>F</td> <td>85°C</td> </tr> </tbody> </table>			TABLE1		TABLE2		Symbol	Stability	Symbol	Temp.	05	±0.5ppm	0	0°C	10	±1.0ppm	A	50°C	15	±1.5ppm	1	-10°C	20	±2.0ppm	2	-20°C	25	±2.5ppm	3	-30°C	30	±3.0ppm	4	-40°C	35	±3.5ppm			50	±5.0ppm	F	85°C
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