

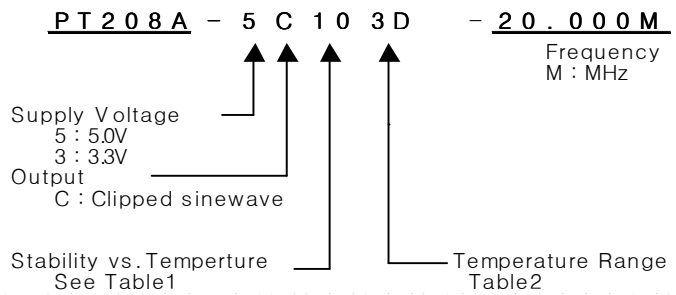
TCXO

PT208A Series

Clipped sinewave

4PIN DIP PACKAGE

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION																																																
<p>PIN CONNECTION #1 N.C #2 GND #3 OUTPUT #4 Vcc</p>	Frequency range	1.8432MHz to 190.000MHz																																															
	Frequency Stability vs. Temperature vs. Supply Voltage vs. Load vs. Aging	± 0.5 ppm to ± 5.0 ppm ± 0.1 / ± 0.2 ppm max / $V_{dd} \pm 5\%$ ± 0.2 ppm max / $15\text{pF} \pm 10\%$ ± 1.0 ppm max/ year																																															
	Temperature Range Operating Storage	See Table 2 -55°C to 125°C																																															
	Supply Voltage	$3.3\text{V} \pm 5\%$ $5.0\text{V} \pm 5\%$																																															
	Input Current Clipped sinewave	6.00MHz ~ 190.000MHz 2.0mA max ~ 30mA max																																															
	Output characteristics	Clipped sinewave Level 3.3V 0.8Vp-p min 5.0V 1.0Vp-p min Load $10\text{k}\Omega//10\text{pF}$																																															
	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	$\pm 3\text{ppm min}$ 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																																																
TEST CIRCUIT		TABLE1	TABLE2																																														
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