

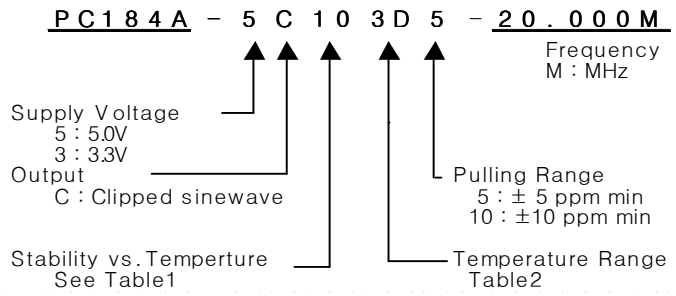
VCTCXO

PC184A Series

Clipped sinewave

14PIN DIP PACKAGE

* PART NUMBERING GUIDE



MECHANICAL DIMENSIONS	ELECTRICAL SPECIFICATION		
	Frequency range	6.000MHz to 190.000MHz	
	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 Clipped sinewave	6.00MHz ~ 190.000MHz 2.0mA max ~ 30mA max	
	Output characteristics	Level 3.3V 0.8Vp-p min 5.0V 1.0Vp-p min Load 10kΩ//10pF	
	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	
	Voltage Control Characteristics		
	Output Pulling Range (ΔF/ΔV)	±5.0ppm or ±10ppm min (ΔF/ΔV > ±20ppm is available, please contact us)	
	Control Voltage Range	1.65V ± 1.5V (Vdd : 3.3V), 2.5V ± 2.0V (Vdd : 5.0V)	
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		
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