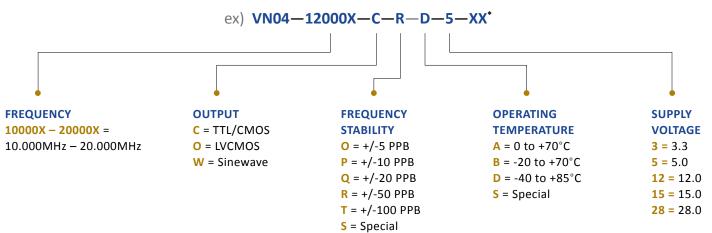


VN04-Series Specifications



20.60L x 13.00W x 8.00H (mm)

PDI *VN04-Series* Oven Controlled Crystal Oscillators (OCXO) ensures precise frequency under the most demanding circumstances. With ultra-low phase noise, excellent performance in high vibration environments, and double-hermetically sealed quartz crystal, this OCXO can also be made available in custom frequencies. PDI provides fast sampling for your proto-typing needs, mass production capability, and competitive pricing.



*(XX) for standard or assigned for custimization.

Parameter		Supply Voltage Range (±5%)		Units
		3.3 to 28.0		V
Frequency Range		10.000000 to 20.000000		MHz
Frequency Stability	vs Temperature (Max.)	±5.0 to	5.0 to ±100	
	vs Supply Voltage (Max. for a 5% charge) ±2.0		0	
	vs Load (Max. for a 10% charge) ±2.0		0	ppb
	vs Aging (Max. per year)			
	Calibration (@ +25°C) 3 Minutes After Switch On (Max.)	±100		
Temperature Range	Operating	Per Option		°C
	Storage	-55 to +85		
Frequency Adjustment	Frequency Tuning (Min.)	±500		ppb
	Voltage Control Range	0.0 tc	0.0 to Vcc	
	Slope	Monotonic and Positive		
	Linearity (Max.)	10		%
Supply Power	During 3 Minutes After Switch On (Max.)	5	5	
	Steady State @ 25°C (Max.)	1.5		W
Output	TTL/CMOS or LVCMOS		5.0	V
	Sinewave	0.0 to	0.0 to 6.0	
Load (±10%)	TTL/CMOS or LVCMOS	15		рF
	Sinewave	50	50	
Phase Noise (Typical)	@ 1 Hz	-90		
	@ 10 Hz	-120		
	@ 100 Hz	-140		dBc/Hz
	@ 1 kHz	-150		
	@ 10 kHz	-150		
	REV: NA SIZE: A	CAGE: A	1 0	of 2



VN04-Series 20.60 x 13.00 x 8.00 (mm)

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PIN	CONNECTION	
1	EFC or No Connect	
7	Ground/Case	
8	Output	
14	Supply Voltage	

