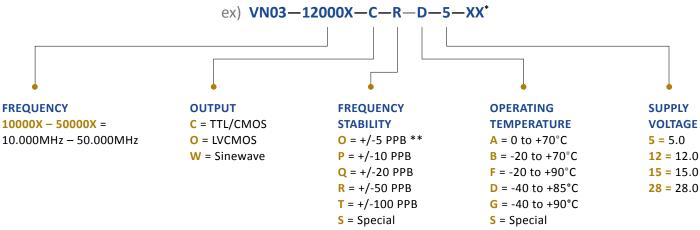


25.80L x 25.80W x 16.81H (mm) 1.425L x 1.070W x 0.662H (in)

PDI VN03-Series Oven Controlled Crystal Oscillators (OCXO) ensures precise frequency under the most demanding circumstances. With low phase noise, 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.

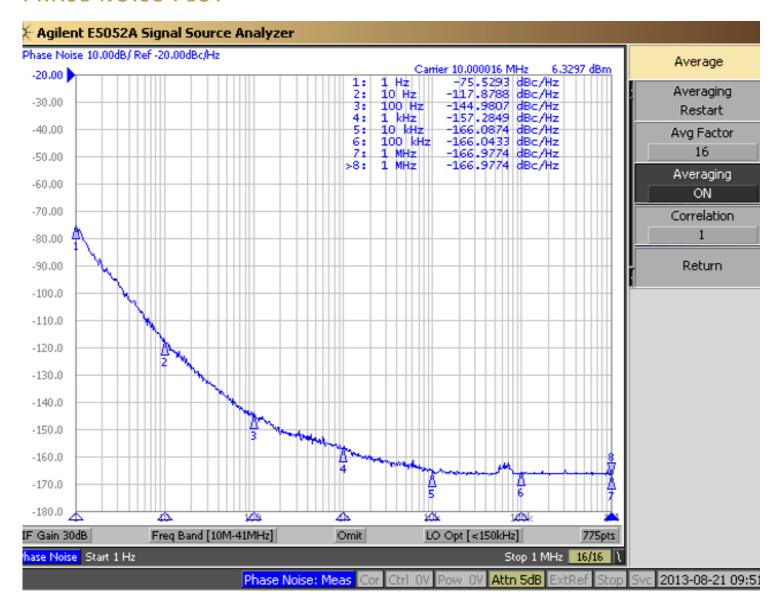


^{** -} Only available with A and B Operating Temperature Options.
* - for standard or assigned for customization.

Darameter		Su	pply Voltage Range (±5%) Units
Parameter —			5.0 to 28.0	
Frequency Range			10.000000 to 50.000000	
Frequency Stability	vs Temperature (Max.)		Per Option	
	vs Supply Voltage (Max. for a 5%	charge)	±2.0	
	vs Load (Max. for a 10% charge)		±2.0	
	vs Aging (Max. per year)		±200	ppb
	Calibration (@ +25°C) 3 Minutes After Switch On (Ma	ax.)	±100	
Temperature Range	Operating		Per Option	0.0
	Storage		-55 to +85	°C
Frequency Adjustment	Frequency Tuning (Min.)		±500	ppb
	Voltage Control Range		0.0 to Vref	V
	Reference Voltage Output (±2.0%)		+5.0	V
	Slope		Monotonic and Positive	
	Linearity (Max.)		10	%
Supply Power	During 3 Minutes After Switch On (Max.)		6.0	W
	Steady State @ 25°C (Max.)		2.5	W
Output	TTL/CMOS or LVCMOS		5.0	V
	Sinewave		0.0 to 6.0	dBm
Load (±10%)	TTL/CMOS or LVCMOS		15	pF
Load (±10%)	Sinewave		50	Ω
Phase Noise (Typical) (10MHz @ +12Vdc)	@ 1 Hz		-77	
	@ 10 Hz		-118 -144	
	@ 100 Hz			
	@ 1 kHz		-156	
	@ 10 kHz		-164	
	@ 100KHz		-165	
	REV: NA	IZE: A	CAGE: A	1 of 3



PHASE NOISE PLOT









NOTES:

All product supplied in anti-static packaging.

All product is supplied RoHS and REACH compliant.

All tests are performed in Still Air test conditions, unless otherwise stated. Specifications subject to change without notice, last updated 4/1/13.

REV: NA SIZE: A CAGE: A 2 of 3

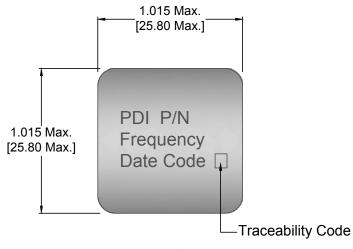


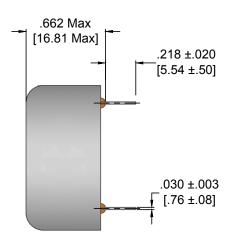
VN03-Series 25.80 x 25.80 x 16.81 (mm)

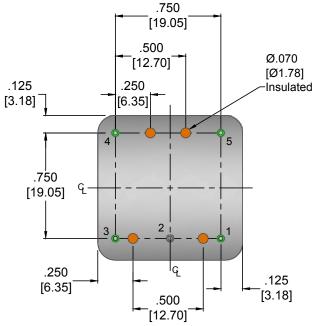
PACKAGE DIMENSIONS

Decimal XXX = \pm .008, XX = \pm .02 Metric [XXX = \pm .20], [XX = \pm .50]

PIN	CONNECTION	
1	Output	
2	Ground/Case	
3	EFC or No Connect	
4	Vref or No Connect	
5	Supply Voltage	













NOTES:

All product supplied in anti-static packaging.

All product is supplied RoHS and REACH compliant.

All tests are performed in Still Air test conditions, unless otherwise stated. Specifications subject to change without notice, last updated 4/1/13.

REV: NA SIZE: A CAGE: A 3 of 3
