NXOS-XO Series : Crystal Reference (10 MHz to 400 MHz) - Typical Specifications
NXOS-PLXO Series : Phase Locked Crystal Reference (50 MHz to 400 MHz) - Typical Specifications

	NXOS-XO		**NXOS-PLXO**	
Frequency in MHz:	100 *		100 *	
Output Power in dBm (over temp)	+10 dBm		+10 dBm	
Frequency Stability (over temp)	< +/- 5 ppm	Coherent to External Reference		
Power variation in dB (over temp)	< 2.0		< 2.0	
Pulling (1.5:1 VSWR)	All Phases			
Harmonics in dBc (typ)	<-35		<-35	
Spurious in dBc	<-75		<-75	
Reference Spurious in dBc (typ) (1)	N/A		-75	
External Reference Frequency (2)	N/A		10 MHz nom	
External Reference Input Power	N/A	0+/- 3 dBm nominal		
Typical Phase Noise @ 100 Hz offset	-110		-110	
@ 1KHz offset	-140		-140	
@ 10KHz offset	-155		-155	
@ 100KHz offset	-160		-160	
@ 1MHz offset	-163		-163	
Phase Lock Alarm option available	N/A	Open Collector, Locked "High"		
Electronic Fine Tuning (0 to +5V)	+/- 5ppm Typ		N/A	
Mechanical Fine Adjustment	Yes		N/A	
Operating Temperature (base plate)	0 to +60 deg C (Military temperature range available)			
Power Supply (3)	+12 +/- 3% VDC, 180 mA typ (steady state)			
RF Connector	SMA Female			
DC Connector	Solder pin			
Size (inches)	2.25 X 2.25 X 0.84			
Outline: DC200105	Rev 1B		Rev 1C	
Weight (in ounces):	3.0		3.0	
* Arbitrary frequencies available, similar performance achieved over -55 to +85 deg C range				
Notes: (1) Lower spurious option available. (2) Other Reference Frequencies to be specified by customer, contact factory for details.				
(3) Other supply voltage available.				
Please note: Guaranteed phase noise is 5 dB higher than typical. Better phase noise available.				
Phase noise plots (in MHz)	50		100	
	100		400	

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