

Typical Specifications for PLXO in 40 to 400 MHz range				
Available Models	NXOS-PLXO-50.000	NXOS-PLXO-100.000	NXOS-PLXOAT	NXOS-PLMXO
Fixed output Frequency (MHz)	50	100	40 to 125	200 or 400
Output Power in dBm (over temp)	> + 7 standard, up to +20 dBm option			> + 12
Power variation in dB (over temp)	< 2			
External Reference Frequency (MHz)	5 or 10			
Frequency Accuracy over Temp	coherent to external reference			
Harmonics in dBc	< - 20			
Subharmonics in dBc	N/A	N/A	N/A	-65 std, -90 option
Discrete Spurious in dBc	< - 80			
Phase Noise	See Table			
Operating Temperature ranges	0 to 60°C, -20 to 70°C, -40 to 85°C, -55 to 85°C			
Power Supply (Vdc, 15V, 24V option)	+12			
DC Current @25C (add 250 mA for surge)	180	180	180	300
RF Connector	SMA Female			
DC Connector	Solder pin			
Size: Length X Width Height (inches)	2.25" X 2.25" X 0.84"			
Outline drawing	DC200105 Rev 1B	DC200105 Rev 1B	DC200105 Rev 1B	DC200105 Rev 1F
Weight (in ounces):	4.5			

Typical Specifications for OCXO in 40 to 400 MHz range				
Available Models	NXOS-XO-50.000	NXOS-XO-100.000	NXOS-XOAT	NXOS-MXO
Fixed output Frequency (MHz)	50	100	40 to 125	200 or 400
Mechanical Tuning (> +/- X ppm)	4	4	8	4
Frequency Accuracy over Temp (< +/- ppm, see note 1)	1.0	1.0	5.0	1.0
Frequency Aging (+/- X ppm/yr after 1 mo.)	1	1	2	1
Output Power in dBm (over temp)	> + 7 standard, up to +20 dBm option			> + 12
Power variation in dB (over temp)	< 2			
Harmonics in dBc	< - 20			
Subharmonics in dBc	N/A	N/A	N/A	-65 std, -90 option
Discrete Spurious in dBc	< - 80			
Phase Noise	See Table			
Operating Temperature ranges	0 to 60°C, -20 to 70°C, -40 to 85°C, -55 to 85°C			
Power Supply (Vdc, 15V, 24V option)	+12			
DC Current @25C (add 250 mA for surge)	180	180	180	300
RF Connector	SMA Female			
DC Connector	Solder pin			
Size: Length X Width Height (inches)	2.25" X 2.25" X 0.84"			
Outline drawing	DC200105 Rev 1B	DC200105 Rev 1B	DC200105 Rev 1B	DC200105 Rev 1F
Weight (in ounces):	4.5			

Note 1: as low as +/- 0.05 ppm stability over -40 to +85C available

NXOS-XO, PLXO Typical Phase Noise Data vs Frequency					
Phase Noise in dBc/Hz vs offset vs model	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz
NXOS-XO-50.000-ST		-120	-150	-164	-165
NXOS-XO-50.000-LN		-125	-154	-164	-165
NXOS-XO-50.000-ULN	-105	-133	-158	-164	-165
NXOS-XO-100.000-ST		-118	-145	-164	-165
NXOS-XO-100.000-LN		-125	-152	-164	-165
NXOS-XO-100.000-ULN	-100	-130	-154	-165	-165
NXOS-ATXO-XXX.XXX		-120	-150	-165	-165
NXOS-MXO-200.000		-116	-146	-158	-158
NXOS-MXO-400.000		-110	-140	-152	-152
NXOS-PLXO-50.000-ST		-120	-150	-164	-165
NXOS-PLXO-50.000-LN		-125	-154	-164	-165
NXOS-PLXO-50.000-ULN	-105	-133	-158	-164	-165
NXOS-PLXO-100.000-ST		-118	-145	-164	-165
NXOS-PLXO-100.000-LN		-125	-152	-164	-165
NXOS-PLXO-100.000-ULN	-100	-130	-154	-165	-165
NXOS-PLXOAT-XXX.XXX		-120	-150	-165	-165
NXOS-PLMXO-200.000		-116	-146	-158	-158
NXOS-PLMXO-400.000		-110	-140	-152	-152