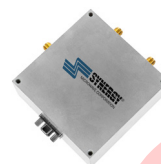


PHASE LOCKED CRYSTAL OSCILLATOR

CONNECTORIZED MODEL: LNFTD-10-120240-12

FEATURES:

- ▶ Excellent Performance
- ▶ Internal Ultra-Low Phase Noise 120 MHz Reference OCXO
- ▶ Phase locked to external 10 MHz Reference
- ▶ Internal Low-noise frequency doubler

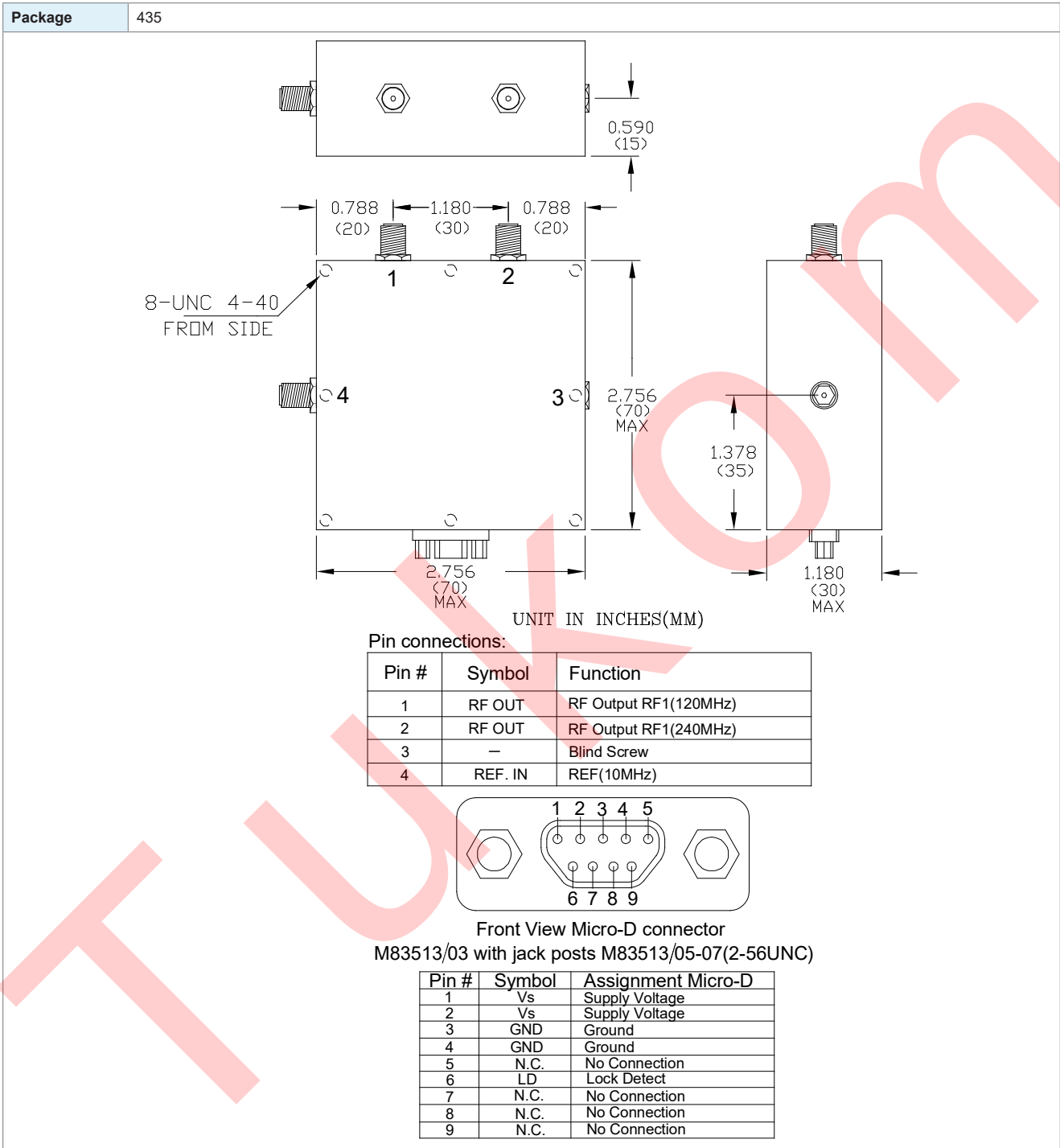


SPECIFICATIONS

Fundamental Frequency Output (RF1)	120 MHz		Maximum Phase Noise (free running)	
Multiplied Frequency Output (RF2)	240 MHz			
External Reference Input	10 MHz (<±500 ppb)			
External Reference Level	+1 to +13 dBm			
Output Power (dBm)	RF1 (120 MHz)	RF2 (240 MHz)		
	+7 dBm (Min.)	+11 dBm (Min.)		
Harmonics	-80 dBc (Max.)			
RF2 Sub-Harmonic (120 MHz)	-70 dBc (Max.)			
Spurious	-80 dBc (Max.)			
Impedance (All Ports)	50 Ohms			
Loop Bandwidth	5 Hz (Typ.)			
Frequency Stability RF1 ~RF2 (free-running)				
Frequency Tolerance	±100 ppb (Typ.), ±500 ppb (Max.)			
Over operating Temperature	±100 ppb (Typ.), ±500 ppb (Max.)			
Frequency Pushing (VS ±5%)	±10 ppb (Max.)			
Load Pulling (RL ±5%)	±10 ppb (Max.)			
Long Term Aging (per day)	±1 ppb (Typ.), ±2 ppb (Max.)			
Long Term Aging (1 st year)	±200 ppb (Typ.), ±500 ppb (Max.)			
Long Term Aging (life)	±100 ppb/yr (Typ.), ±200 ppb/yr (Max.)			
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PHASE LOCKED CRYSTAL OSCILLATOR

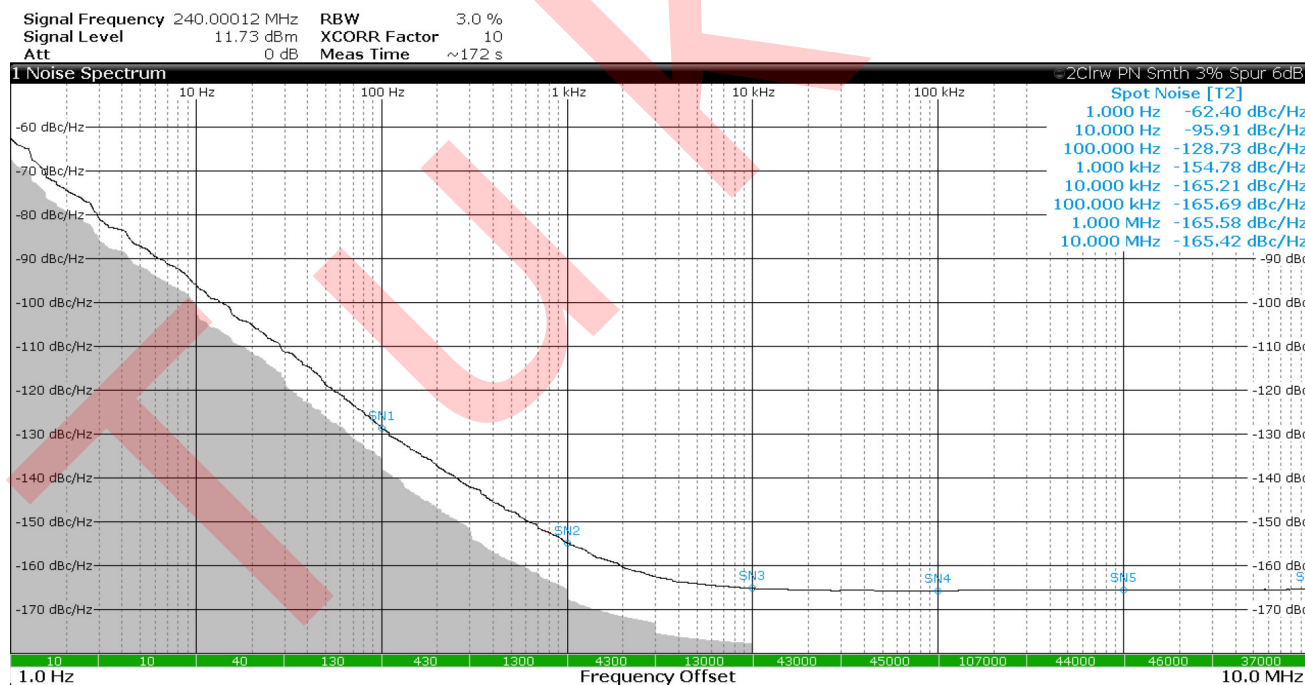
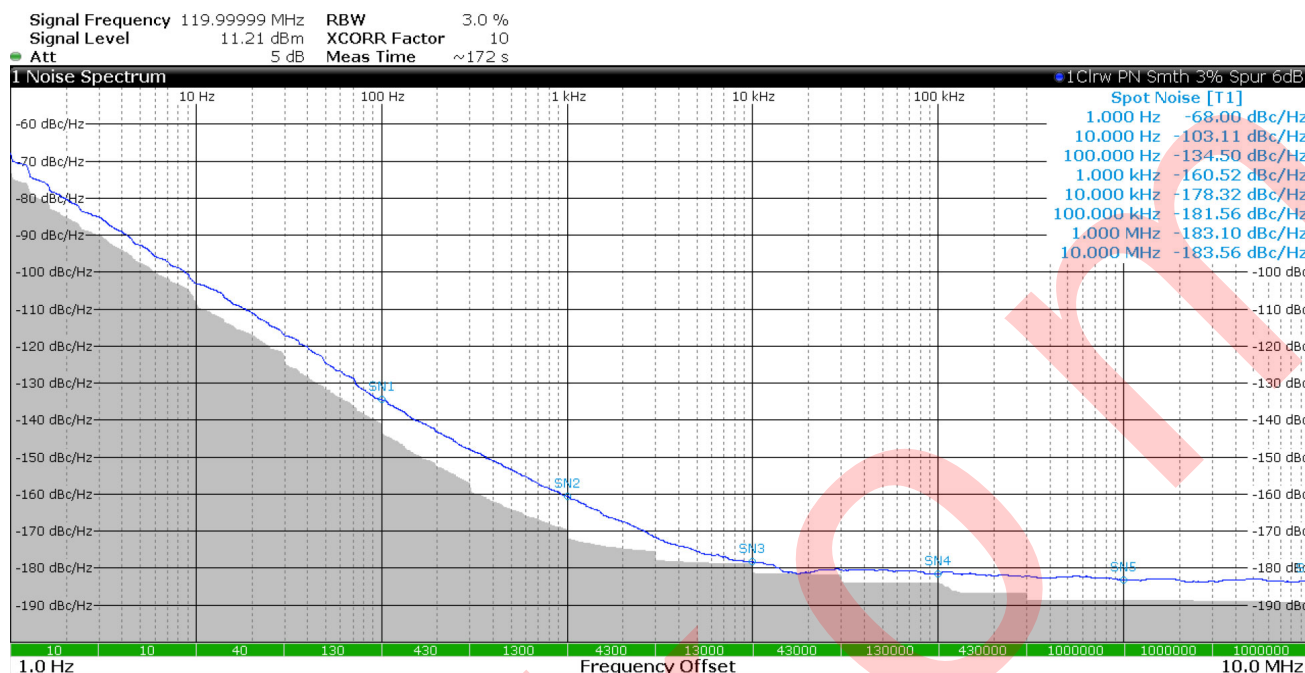
CONNECTORIZED MODEL: LNFTD-10-120240-12



PERFORMANCE PLOTS

PHASE LOCKED CRYSTAL OSCILLATOR

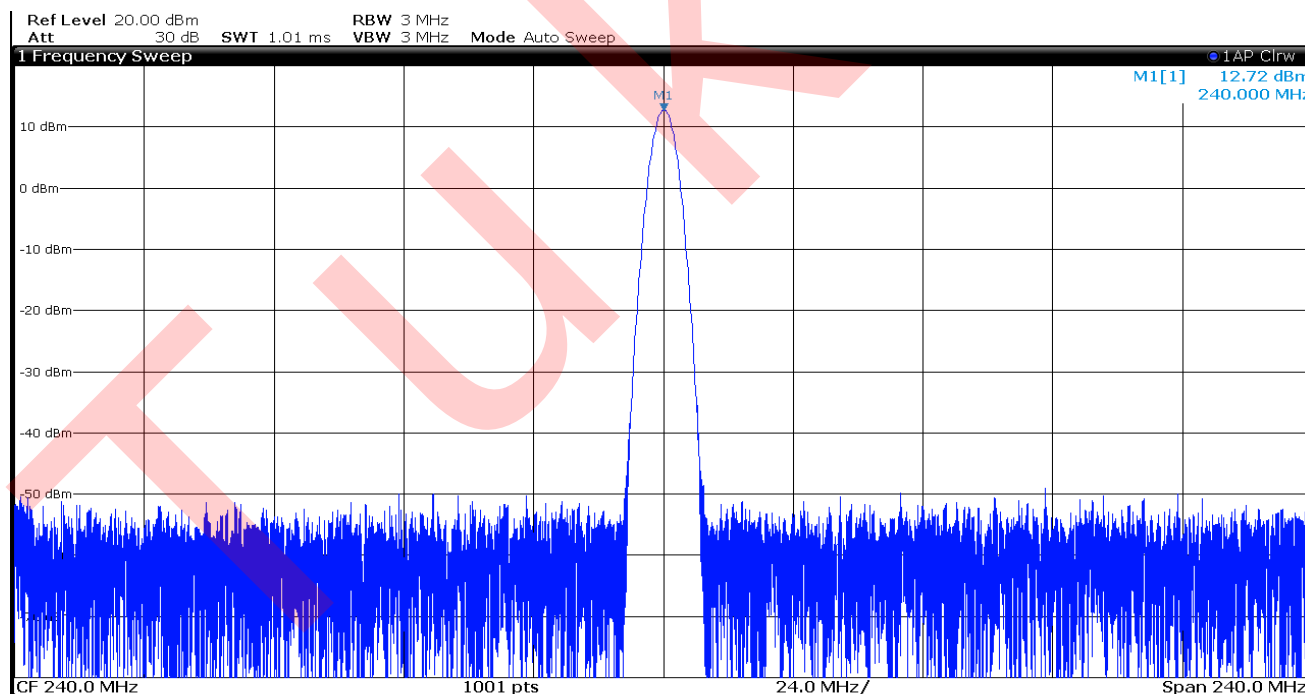
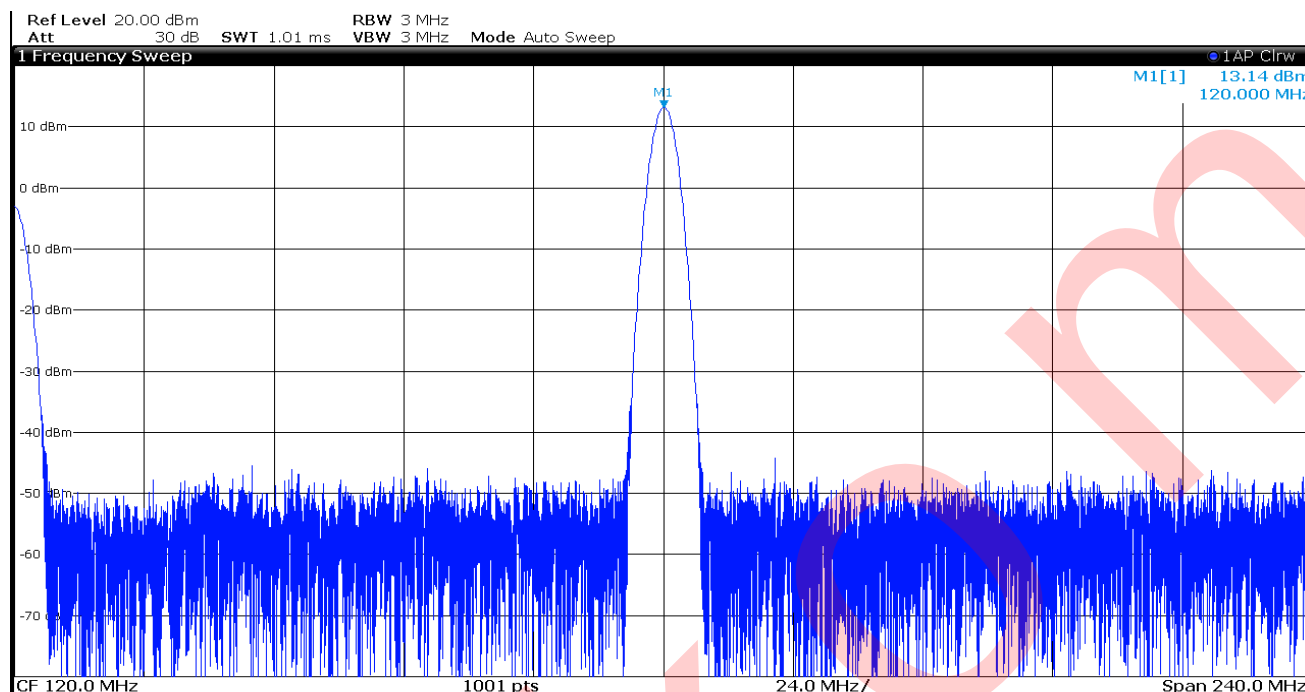
CONNECTORIZED MODEL: LNFTD-10-120240-12



PERFORMANCE PLOTS

PHASE LOCKED CRYSTAL OSCILLATOR

CONNECTORIZED MODEL: LNFTD-10-120240-12



PERFORMANCE PLOTS