

Ultra-Low Phase Noise Frequency Synthesizer

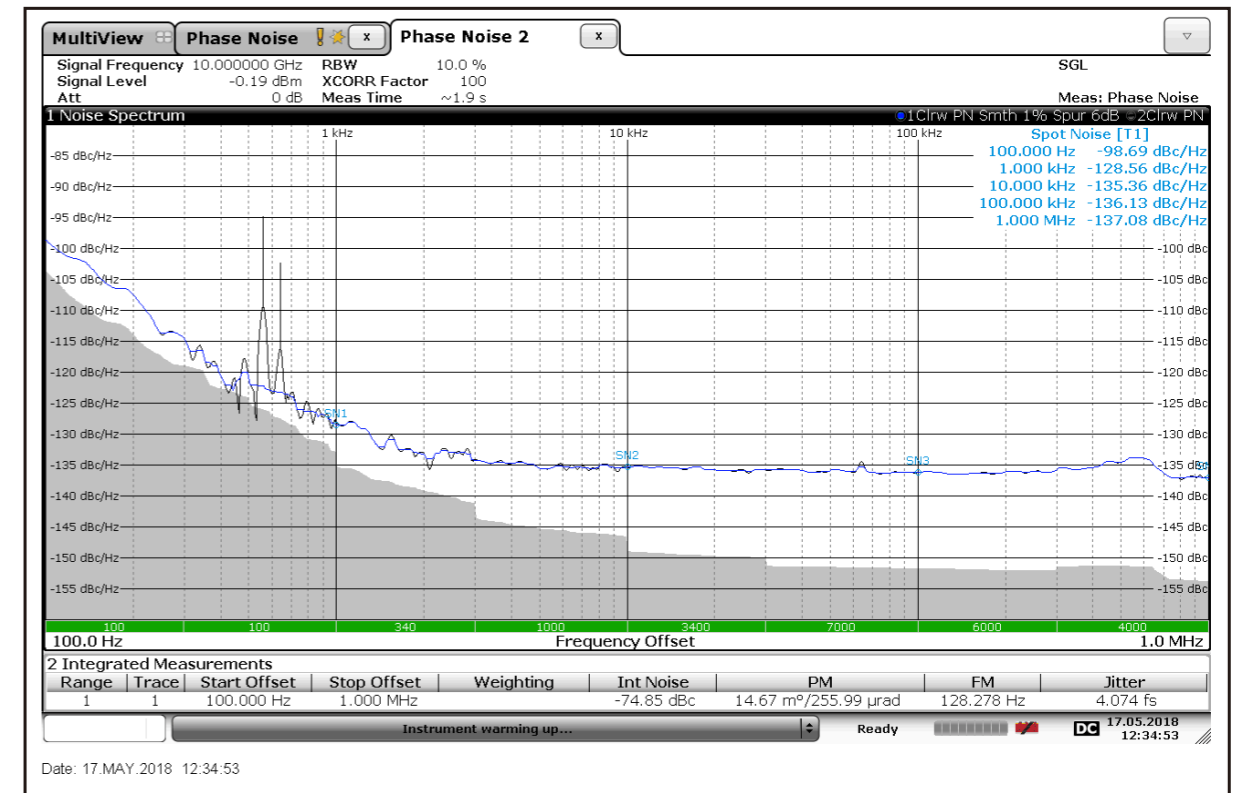
UNFS100

Features

- Low Phase Noise
- Compact size

Frequency Range	8~12GHz			
Out Frequency	Point frequency (100MHz integer multiple)			
Power(dBm)	7±2			
Frequency Stability	2×10 ⁻⁷ (Same as reference)			
Frequency Accuracy	2×10 ⁻⁷ (Same as reference)			
Non-Harmonic Spurious (dBc)	≤-75			
Harmonics (dBc)	≤-20			
Ref input frequency (MHz)	100			
Power (dBm)	0~7			
Phase Noise dBc/Hz	dBc/Hz@1kHz	8GHz	≤-128	≤-126
	dBc/Hz@10kHz		≤-134	≤-132
	dBc/Hz@100kHz		≤-136	≤-136
	dBc/Hz@1MHz		≤-138	≤-138
Supply Voltage (V/A)	+12/0.8 (Warm-up) +12/0.6 (stable)			
Connector	RF : SMA-KFD Piercing capacitance : Feedthru capacitor			
Temperature Range(operating) (°C)	-40~+70			
Temperature Range (non-operating) (°C)	-55~+85			
Size (W x L x H)	120×120×20mm			

Phase Noise (10GHz)



Ordering Information	
UNFS100-XXX	xxxx is output frequency e.g : output frequency is 9600MHz ,model:UNFS100-9600 output frequency is 11600MHz ,model:UNFS100-11600