

## UNFS-2000 (Pre-Release)

### Features

- Frequency Range 100MHz~20000Hz
- low Phase Noise
- Standard PXI structure and communication protocol

Frequency Range ( MHz )	100~10000&200~20000	
Frequency Resolution ( Hz )	0.001	
Frequency Switching Time ( us )	≤200	
Power ( dBm )	-20~+13	
Power Stability ( dB )	±2.5	
Frequency Stability	2×10 <sup>-7</sup> (Same as reference)	
Frequency Accuracy	2×10 <sup>-7</sup> (Same as reference)	
Non-Harmonic Spurious ( dBc )	≤-75/-70(typ (max.))	
Harmonics ( dBc )	≤-35 ( 200~12500MHz ) ≤-20 ( 12500~20000MHz )	
Phase Noise dBc/Hz @10GHz	dBc/Hz@1kHz	-122
	dBc/Hz@10kHz	-130
	dBc/Hz@100kHz	-132
	dBc/Hz@1MHz	-136
Supply Voltage ( V/A )	+12/1.6 ( Warm-up ) +12/1.2 ( stable )	
Connector	RF : SMA-KFD Control : J1、J2(standard PXI package) ; J30J-09(standard module package)	
Size ( W x L x H )	≤146.1×95×54mm ( 3UPXI )	
Control Interface	SPI/PXI	
Temperature Range(operating) ( °C )	-40~+70	
Temperature Range (non-operating) ( °C )	-55~+85	
Pulse Modulation		
Pulse depth	≥60dBc(Test power : +10dBm)	
pulse width	100ns~10ms	
Power Stability ( dB )	≤0.2dB	
Rise/Fall Time	≤30ns/50ns	

### Custom Foarm

Reference frequency(RF1)	frequency ( MHz )	
	power rang ( dBm )	
Frequency Range(RF1)	Frequency Range ( MHz )	
	Frequency Resolution ( kHz )	
	Power ( dBm )	
	Non-Harmonic Spurious/Harmonics	
Frequency Range Phase Noise ( RF1 )	dBc/Hz@10Hz	
	dBc/Hz@100Hz	
	dBc/Hz@1kHz	
	dBc/Hz@10kHz	
	dBc/Hz@100kHz	
Frequency Range(RF2)	Frequency Range ( MHz )	
	Frequency Resolution ( kHz )	
	Power ( dBm )	
	Non-Harmonic Spurious/Harmonics	
Phase Noise ( RF2 )	dBc/Hz@10Hz	
	dBc/Hz@100Hz	
	dBc/Hz@1kHz	
	dBc/Hz@10kHz	
	dBc/Hz@100kHz	
Frequency Stability		
RF Connector		
Bobbi		
Control Interface		
Size ( W x L x H )		
Environmental requirements	Working / storage temperature (c) ( °C )	
	humidity	
	Vibration magnitude	
	Pressure requirement	
Other		