



*Coaxial*

## Wideband High Speed Synthesizer 0.01 to 18GHz

P/N	Freq. (GHz)	Step Size (MHz)	Power Output (dBm) Min	Flatness (dB) Typ.	Phase Noise (dBc/Hz)					Harmonic (dBc) Max	Spurious (dBc) Max	Switching Speed (us)	Power Supply (V/mA) Typ.	Case
					Freq. GHz	@1 KHz	@10 KHz	@100 KHz	@1 MHz					
WHSS00120	0.01-2	1	+13	≤±1.5	0.01	-140	-145	-148	-	-50	-65	≤200	TBD	
					2	-110	-112	-120	-140					
WHSS20180	2-18	0.1-10	+13	≤±1.5	2	-110	-112	-120	-140	-50	-65	≤200	TBD	
					18	-85	-87	-100	-120					
WHSS001180	.01-18	0.1-10	+13	≤±1.5	0.01	-140	-145	-148	-	-50	-65	≤200	TBD	
					18	-90	-92	-100	-120					

### Notes:

1. Wideband High Speed Synthesizer also available.
2. Frequency Stability:  $\pm 1 \times 10^{-7}$  with built-in OCXO or with external reference.
3. For Commercial Application: Operating Temperature: -10~+50°C.  
For Industrial Application: Operating Temperature: -20~+60°C.  
For other Application: Operating Temperature: -40~+70°C.