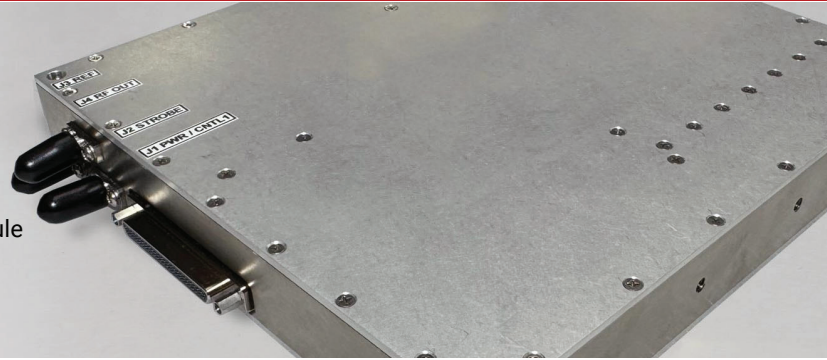


Features

- High-Speed Wideband Direct Synthesizer
- 0.1 – 22GHz
- 150nsec Tuning Speed
- DDS Based Tuning
- -60dBc Spurious
- Harmonic Filtering

Applications

- EW / SIGINT
- Radar Test Equipment
- Microwave Radio
- Instrumentation Module
- LO Generation



Performance Specifications

PARAMETER	VALUE
Frequency Range	0.1 - 22 GHz
Step Size	1.0 Hz 0.1-10GHz, 2.0 Hz 10-20GHz
Tuning Speed	< 150nsec, any frequency
Output Power	+ 10 dBm
Power Variation	+/- 3 dB
Harmonics	-50 dBc
Spurious	-60 dBc
Phase Noise (typical @ 10 GHz)	
100 Hz	-85 dBc/Hz
1 kHz	-105 dBc/Hz
10 kHz	-110 dBc/Hz
100 kHz	-115 dBc/Hz
1 MHz	-125 dBc/Hz
Frequency Accuracy	+2 Hz Not Including Ext Ref
Reference Frequency	100 MHz Sine External
Input Reference Power	0+/-10 dBm
Programming (LVTTTL)	Parallel 35-bit, w/Strobe
Supply Voltage	+6 VDC, 2500 mA
	+15 VDC, 350 mA
	-5 VDC, 50 mA
Operating Temp	-20°C to +70°C
Physical	SMA(F)
	Micro-D 51 pin Data connector

