

PC CONTROLLED LOW PHASE NOISE SYNTHESIZER

- DIRECTLY PC CONTROLLABLE
- VERY LOW PHASE NOISE
- FAST SWITCHING
- LOW POWER CONSUMPTION
- SMALL SIZE

This high quality, low phase noise, fast switching synthesizer is intended for use in air-borne applications under harsh environmental conditions.

Electrical characteristics:

Output Frequency Range	1025 -1150 MHz
Frequency steps	1 MHz
Output Power Level	+14 dBm \pm 1dB
Switching Time	<250 μ s
Spurious	-60 dBc
Harmonics	-30 dBc
Phase Noise (static)	- 80 dBc/Hz @ 100 Hz -100 dBc/Hz @ 1 KHz
Phase Noise (under 0.04 g ² /Hz random vibration)	-38 dBc/Hz @ 100 Hz -70 dBc/Hz @ 1 kHz
Frequency stability (under 0.04 g ² /Hz random vibration)	\pm 1 ppm
AM Noise	-136 dBc/Hz from 1 kHz to 1 MHz
Frequency Accuracy	+/-5 ppm
Operating Temp. Range	-40 to +70 °C
Storage Temp. Range	-55 to +95 °C
Output RF Connector	SMA female
Control & Supply connector	Micro-D15, Male
Supply Voltage	+15 V, -15 V
Mechanical Environment	MIL-STD 810F
EMC	MIL-STD 461E, CE101, CE102,CS114,CS115

Outline dimensions (mm):

