

- **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-born applications under harsh environmental conditions.

ELECTRICAL CHARACTERISTIC :

Output Frequency Range	1025-1150 MHz
Frequency steps	1 MHz
Output Power Level	13 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	2 ppm, internal TCXO
Operating Temp. Range	-40 to +70 °C
Storage Temp. Range	-55 to +95 °C
Output RF Connector	SMA female
Control & Supply connector	DSUB15, Male
Supply Voltage	+15 V, -15 V
Mechanical Environment	MIL-STD 810F
EMC	MIL-STD 461E, CE101, CE102, CS114, CS115

Outline Dimensions (mm):

