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**LOW PHASE NOISE FAST SYNTHESIZER**

- **FAST SWITCHING SPEED**
- **LOW PHASE NOISE**
- **HIGH RELIABILITY**
- **COMPACT DESIGN**
- **BUILT-IN HIGH STABILITY REFERENCE**

This synthesizer is intended for use in professional applications, where fast switching speed, low phase noise and high reliability are important factors. This unit has been designed to operate in harsh environmental conditions such as wide temperature range, shock and vibration. Main applications are in satellite and telecommunications systems.

**Electrical characteristics:**

Frequency Range	8.5-9.6 GHz
Frequency Steps	5 MHz
Number of switched frequencies	10 (pre-programmed by factory)
Switching Time	< 50usec
Frequency Stability	<u>better than <math>\pm 2</math> ppm</u>
Output Power	+13 dBm +/-3 dB
Harmonics	-50dBc typ. -30dBc .max.
Phase Noise (dBc/Hz)	
@ 1kHz	-100dBc/Hz typ. -95dBc/Hz max.
@ 10 kHz	-103dBc/Hz typ. -98dBc/Hz max.
@ 100 kHz	-104dBc/Hz typ. -100dBc/Hz max.
AM noise at 1kHz to 100kHz	<-100dBc/kHz
Spurious	-60dBc typ., -50dBc max.
Operating Temperature Range	- 40 to + 85 °C
Frequency Control	10 bit (TTL level),
Dimension	200x151x49.5mm
DC and Data Connectors	DSUB-15 male
RF Connector	SMA-f
Power Supply	+ 15 V / 450mA typ.

Specifications are subject to change without notice



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### Outline dimensions (mm):

