



**FINE STEP X-BAND
LCD DISPLAY SYNTHESIZER WITH LAN**

- **LOW PHASE NOISE**
- **FINE FREQUENCY STEP**
- **EASY PROGRAMMING**
- **NON VOLATILE MEMORY**
- **LCD DISPLAY**
- **ETHERNET CONTROL**
- **COMPACT DESIGN**
- **BUILT-IN HIGH STABILITY REFERENCE**

This synthesizer is intended for use in professional applications as programmable local oscillator, where clean output signal, fine step, compact size, easy handling, remote control and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

Electrical characteristics:

Frequency Range	7000 – 8500 MHz
Frequency Steps	10kHz
Frequency Reference	External, Internal, automatic change-over
Internal Reference Stability.	better than ± 0.2 ppm
External Reference Frequency	5/10/100MHz, automatic selection
External Reference Level	-7dBm to +5dBm
Output Power	+10 dBm +/-2dB
Mute function	50dB typ.
Harmonics	≤ -50 dBc
Phase Noise@8500MHz (dBc/Hz) typ.	
@1 kHz	-97
@10 kHz	-105
@100 kHz	-106
@1MHz	-126
Spurious	< -50dBc
Operating Temperature Range	0 to + 50 °C
Manual Control	LCD Display, Push buttons
Remote Control	via ETHERNET
DC connectors	Solder pins
RF & Reference connectors	SMA-F
Power Supply	+15 V +/-10% / 650mA
Dimension	140x90x52mm
Weight	0.8kg

Specifications are subject to change without notice



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Outline dimensions (mm):

