

LCD DISPLAY 0.3 – 3 GHz WIDE BAND SYNTHESIZER

- COMPACT SIZE
- LOW PHASE NOISE
- EASY PROGRAMMING
- NON VOLATILE MEMORY
- LCD DISPLAY

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

Electrical characteristics:

Frequency Range	300 to 3000 MHz in Full Band		
Frequency Steps	100 kHz (option:250kHz or 500kHz)		
Output Power	+12.5 dBm+/-2dB		
Internal Reference Stability	± 2 ppm (option:+/-0.3ppm)		
SSB Phase Noise (dBc/Hz) (**)	300MHz	1600MHz	3000MHz
@ 1kHz	< -88	< -75	< -69
@ 10 kHz	< -94	< -79	< -75
@ 100 kHz	< -119	< -115	< -110
Spurious @ in band	-75dBc typical, -65 dBc max.		
Spurious @ out of band	< -75dBc		
Harmonics	. - 25 dBc typical, -12dBc maximum		
Memory Function	yes		
RF Connector	SMA-F		
DC Connector	Solder pin		
Power Supply	+15 V / 230 mA DC (-0.5V, +1V tolerance)		
Operating Temperature Range	0 to +50 °C (opt. -20 to + 60 °C)		
Alarm Out	Solder pin, TTL Low and flashing LCD display		

(**) Dependent on frequency and frequency step
Specifications are subject to change without notice

Outline dimensions (mm):

