

WIDE BAND LCD DISPLAY SYNTHESIZER

- POWER LEVEL CONTROL IN 1 dB STEPS
- HIGH AMPLITUDE DYNAMIC RANGE
- COMPACT SIZE
- NON VOLATILE MEMORY
- 2 ROW LCD DISPLAY (FREQ. & POWER) WITH BACKLIGHT
- OPTIONAL DUAL CONTROL (PUSH BUTTON & RS232)

This synthesizer is intended for use in professional applications as programmable local oscillator, where very high frequency resolution, compact size, programmable power level, dual frequency control, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

Electrical characteristics:

Frequency Range	700 to 2500 MHz
Frequency Resolution	100 kHz
Frequency Steps	100 kHz, 1 MHz, 10 MHz, 100 MHz
Output Power Range	-45 to +13 dBm (max. +15 dBm)
Output Power Steps	nominal 1 dB
Output Attenuation	min. 50 dB
Internal Reference Stability	± 2 ppm (optional ± 0.2 ppm)
SSB Phase Noise @ 1KHz	<-60 dBc/Hz typ. -65 dBc/Hz
@ 10 KHz	<-80 dBc/Hz typ. -85 dBc/Hz
@ 100 KHz	<-108 dBc/Hz typ. -110 dBc/Hz
Spurious	< - 60 dBc, typ. -65 dBc
Memory Function	yes
RF Connector	SMA-F
DC Connector	\varnothing 5.5mm DC-F
Power Supply	12-16 V / 430 mA DC with back light
Operating Temperature Range	0 to + 40 °C
PC Connection	optional RS-232

Customer specified band is also possible.

Outline dimensions (mm):

