



**BONN HUNGARY
ELECTRONICS**

**LCD DISPLAY
0,3-3GHz FULL BAND
SYNTHESIZER**

BSVB
Family
NDS # 309

an ISO 9001 Certified Company



- **COMPACT SIZE**
- **LOW PHASE NOISE**
- **EASY PROGRAMMING**
- **NON VOLATILE MEMORY**
- **LCD DISPLAY**
- **OPTIONAL PC CONTROL (Without LCD)**

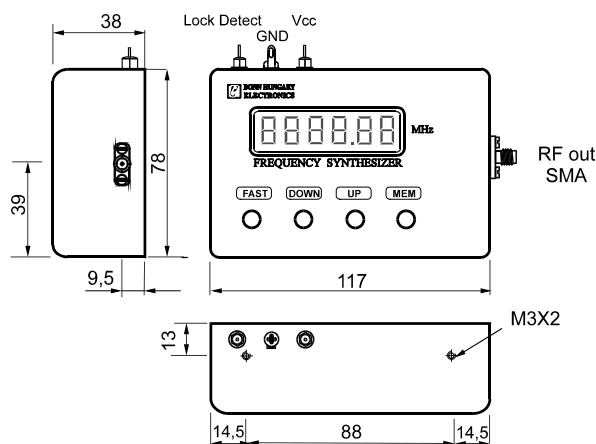
This synthesizer is intended for use in professional applications as programmable local oscillator, where clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

ELECTRICAL CHARACTERISTICS:

Frequency Range	300 to 3000 MHz in Full Band	Meas. example: 2000 MHz
Frequency Steps	50, 100, 500 or 1000 KHz	500 KHz
Output Power	+10 dBm	+10 dBm
Internal Reference Stability	± 2 ppm (opt. ± 0.2 ppm)	± 2 ppm (opt. ± 0.2 ppm)
SSB Phase Noise @ 1KHz	< -90 ... -75 dBc/Hz (*)	< -82 dBc/Hz
@ 10 KHz	< -90 ... -75 dBc/Hz (*)	< -85 dBc/Hz
@ 100 KHz	< -115 ... -100 dBc/Hz (*)	< -108 dBc/Hz
Spurious @ in band	< -80 ... - 60 dBc	< - 72 dBc
Spurious @ out of band	< -75 ... - 60 dBc	< - 70 dBc
Harmonics	< -35 ... - 20 dBc	< - 20 dBc
Memory Function	yes	yes
RF Connector	SMA-F	SMA-F
DC Connector	Solder pin	Solder pin
Power Supply	12 V / 220 mA DC	12 V / 250 mA DC
Operating Temperature Range	0 to +50 °C (opt. -20 to + 60 °C)	- 20 to + 60 °C
Alarm Out	optional	optional

Specifications are subject to change without notice

OUTLINE DIMENSIONS (mm):



BONN Elektronik
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