



**BONN HUNGARY
ELECTRONICS**

**LCD DISPLAY
SYNTHESIZER**

BSVF
Family
NDS # 304

an ISO 9001 Certified Company



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

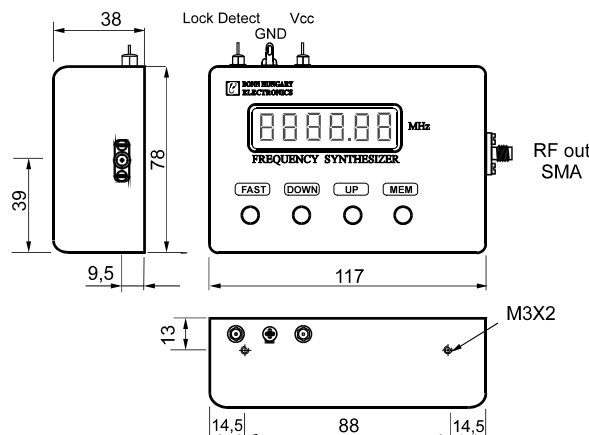
This synthesizer is intended for use in professional applications as a programmable local oscillator, where clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation, radar and communication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

ELECTRICAL CHARACTERISTICS:

Frequency Range	3 GHz to 13 GHz in 5-25 % BW	example: 7 to 8 GHz
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	< -80 ... -60 dBc/Hz (*)	< -60 dBc/Hz
@ 10 KHz	< -95 ... -70 dBc/Hz (*)	< -72 dBc/Hz
@ 100 KHz	< -112 ... -95 dBc/Hz (*)	< -98 dBc/Hz
Spurious @ in band	< -80 ... - 60 dBc	< - 72 dBc
Spurious @ out of band	< -75 ... - 60 dBc	< - 70 dBc
Memory Function	yes	yes
RF Connector	SMA-F	SMA-F
DC Connector	Solder pin	Solder pin
Power Supply	15 V / 200 mA DC	15 V / 220 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
RF Systems, Instruments and Components



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