



**BONN HUNGARY  
ELECTRONICS**

**LCD DISPLAY  
SYNTHESIZER**

**BSVB**  
Family  
NDS # 303

an ISO 9001 Certified Company



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

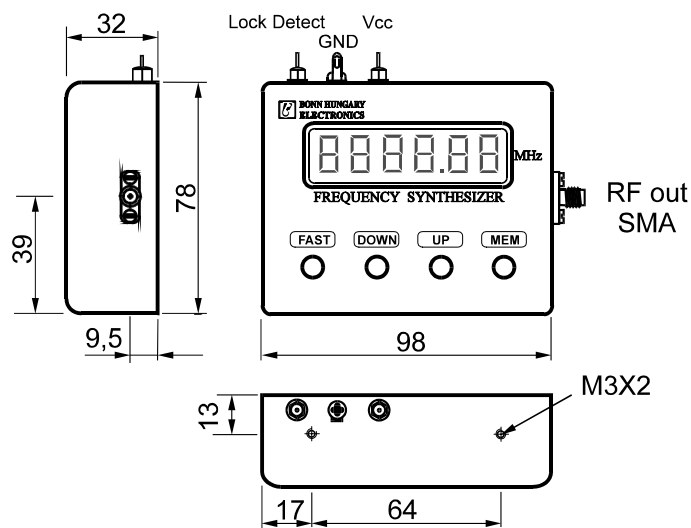
This synthesizer is intended for use in professional applications as programmable local oscillator, where clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

**ELECTRICAL CHARACTERISTICS:**

Frequency Range	300 to 5000 MHz in 5-50 % BW	example: 1000 to 2100 MHz
Frequency Steps	50, 100, 500 or 1000 KHz	500 KHz
Output Power	+10 dBm	+13 dBm
Internal Reference Stability	$\pm 2$ ppm (opt. $\pm 0.2$ ppm)	$\pm 2$ ppm ( opt. $\pm 0.2$ 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	< -80 ... -60 dBc	< -72 dBc
Memory Function	yes	yes
RF Connector	SMA-F	SMA-F
DC Connector	Solder pin	Solder pin
Power Supply	15 V / 150 mA DC	15 V / 160 mA DC
Operating Temperature Range	0 to +50 °C (opt. -20 to + 60 °C)	- 20 to + 60 °C
Alarm Out	optional	optional

PLEASE CHECK THE STANDARD FAMILY MEMBERS Specifications are subject to change without notice

**OUTLINE DIMENSIONS (mm):**



**BONN Elektronik** 

RF Systems, Instruments and Components

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