



**BONN HUNGARY  
ELECTRONICS**

**PC CONTROLLABLE  
ECONOMY  
SYNTHESIZER**

**BSEB  
Family  
NDS # 300**

an ISO 9001 Certified Company

- **ECONOMY SOLUTION**
- **DIRECTLY PC CONTROLLABLE**
- **COMPACT SIZE**
- **LOW PHASE NOISE**



This family of PC controllable synthesizer is intended for use in test setups as local synthesizer, compact size and modest price are important factors. The unit is supplied with a control software. The synthesizer can be controlled through the parallel printer port by using any IBM compatible PC without using any extra control card. Main applications are in telecommunication equipment, satellite and communications receivers and communication monitoring equipment.

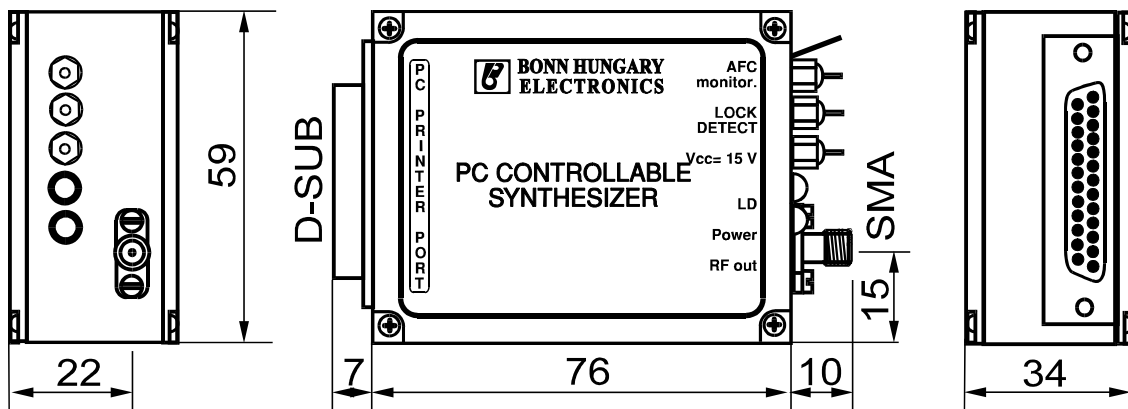
**ELECTRICAL CHARACTERISTICS:**

Frequency Range	300 to 2700 MHz in 10-50% BW	example: 2100 to 2700 MHz
Frequency Steps	25, 50, 100, 500 or 1000 KHz	100 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 ... -65 dBc/Hz (*)	< -65 dBc/Hz
@ 10 KHz	< -95 ... -75 dBc/Hz (*)	< -75 dBc/Hz
@ 100 KHz	< -112 ... -100 dBc/Hz (*)	< -100 dBc/Hz
Spurious	< -75 ... - 65 dBc	< - 65 dBc
Power Supply	12 ... 22 V /100 mA DC	12 ... 22 V /100 mA DC
Operating Temperature Range	0 to +50 °C (opt. -20 to + 60 °C)	- 20 to + 60 °C
Alarm Out	optional	optional
Φ Out Voltage Range	optional	optional
PC Connection	25 pin D-sub	25 pin D-sub
Control Software	supplied on disc	supplied on disc

(\*) Depends on the actual frequency band and step size.

Specifications are subject to change without notice.

**OUTLINE DIMENSIONS (mm):**



**BONN Elektronik**  
RF Systems, Instruments and Components



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