



**BONN HUNGARY  
ELECTRONICS**

**0.3-3GHz FINE STEPS  
PC CONTROLLED  
SYNTHESIZER**

**BSVU  
Family  
NDS # 324**

an ISO 9001 Certified Company



- **VERY HIGH FREQUENCY RESOLUTION**
- **LOW PHASE NOISE**
- **FREQUENCY CONTROL RS-232 or RS-422 or RS-485**
- **COMPACT SIZE**

This synthesizer is intended for use in professional applications, where very fine frequency steps, clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

**ELECTRICAL CHARACTERISTICS:**

**BSVU 10**

Frequency Range	300 to 3000 MHz in 5-50 % BW	400 to 600 MHz
Frequency Steps (*)	1 Hz	1 Hz
Output Power (**)	+10 dBm	+13 dBm
Internal Reference Stability (***)	± 2 ppm	± 2 ppm
SSB Phase Noise @ 1kHz	< -90 ... -75 dBc/Hz (*)	-95 dBc/Hz
@ 10 kHz	< -90 ... -75 dBc/Hz (*)	-100 dBc/Hz
@ 100 kHz	< -115 ... -100 dBc/Hz (*)	-108 dBc/Hz
Spurious	-70 dBc typical, max - 65 dBc	< - 70 dBc
Memory Function	yes	yes
RF Connector	SMA-F	SMA-F
DC Connector	Solder pin	Solder pin
Power Supply	15 V / 260 mA DC	15 V / 260 mA DC
Operating Temperature Range	-20 to +60 °C	- 20 to + 60 °C
Alarm Out	optional	optional

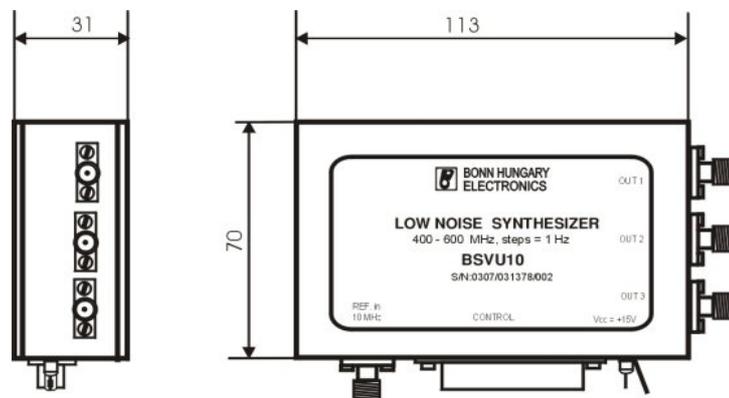
(\*) Optionally down to 0.001Hz is available

Specifications are subject to change without notice

(\*\*) Optionally secondary output(s) are available

(\*\*\*) With automatic changeover to external reference

**OUTLINE DIMENSIONS (mm):**



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



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