



**BONN HUNGARY  
ELECTRONICS**

**3-10GHz  
PC CONTROLLED  
SYNTHESIZER**

**BSPF  
Family  
NDS # 323**

an ISO 9001 Certified Company

- **COMPACT SIZE**
- **LOW PHASE NOISE**
- **EASY PROGRAMMING**



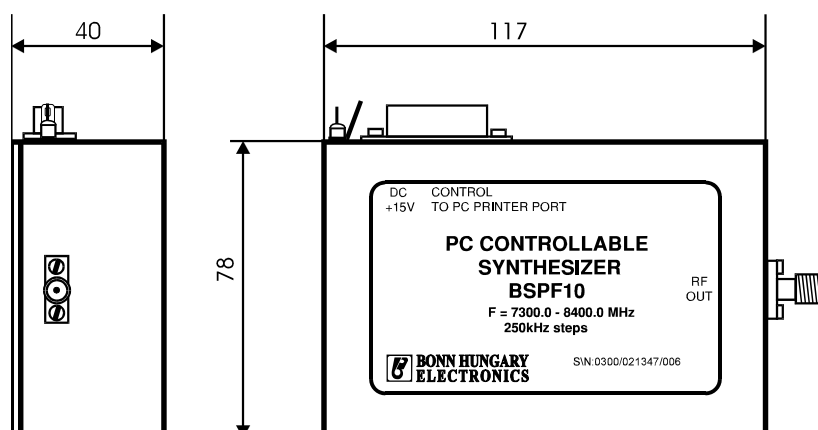
This synthesizer is intended for use in professional applications, where clean output signal, compact size, easy handling and modest price are important factors. Main applications are in satellite and telecommunications systems, instrumentation.

**ELECTRICAL CHARACTERISTICS:**

Frequency Range	3 GHz to 10 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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