



**BONN HUNGARY
ELECTRONICS**

**0.3-3GHz
PC CONTROLLED
SYNTHESIZER**

BSPB
Family
NDS # 322

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.

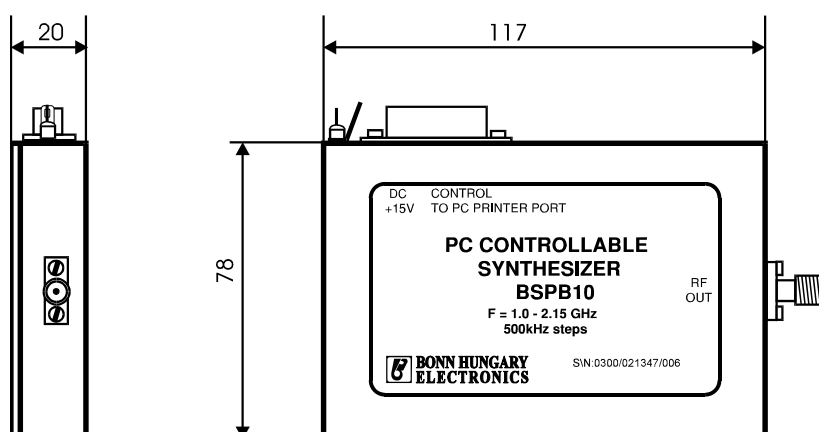
ELECTRICAL CHARACTERISTICS:

| | | |
|------------------------------|-----------------------------------|-----------------------------------|
| Frequency Range | 300 to 3000 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 | ± 2 ppm (opt. ± 0.2 ppm) | ± 2 ppm (opt. ± 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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