



**BONN HUNGARY  
ELECTRONICS**

**PC CONTROLLED  
LOW PHASE NOISE  
SYNTHESIZER**

**BSVC  
Family  
NDS # 306**

an ISO 9001 Certified Company

- **DIRECTLY PC CONTROLLABLE**
- **FINE FREQUENCY STEP**
- **LOW PHASE NOISE**
- **LOW HARMONICS & SPURIOUS**
- **COMPACT DESIGN**
- **DUAL OUTPUTS (OPTIONAL)**



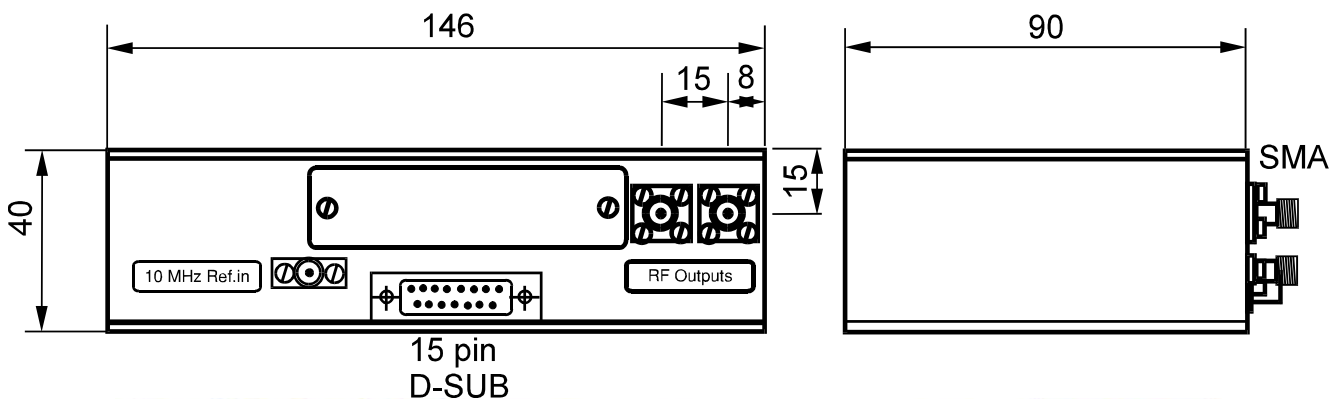
**ELECTRICAL CHARACTERISTICS**

Output Frequency Range	4-10 GHz*
Typical Data for 6.4-7.0 GHz band ( <b>BSVC 11</b> )	
Frequency Steps	500 kHz
Output Power (Out1, Out2)	10 ...13 dBm
Internal Reference Stability	± 0.05 ppm
External Reference Frequency	10 MHz
Harmonics	-45 dBc
Spurious	-70 dBc (out of band) -65 dBc (in band)
Phase Noise @ 100Hz	< -65 dBc/Hz
@ 1kHz	< -75 dBc/Hz
@ 10 kHz	< -85 dBc/Hz
@ 100 kHz	< -100 dBc/Hz
Operating Temperature Range	-30 to +60 °C
Alarm Output	UNLOCK
Frequency Control	2 byte, serial
Data & DC connectors	DSUB15
RF & Reference connectors	SMA-F
Power Supply	+12 V/650 mA /890 mA warm up/

\* Other frequency range also available

Specifications are subject to change without notice.

**OUTLINE DIMENSIONS (mm): (# BSVC 11)**



**BONN Elektronik** 

**RF Systems, Instruments and Components**

Rudolf-Diesel-Str.18 · D-85521 Ottobrunn · Tel +49 (0)89/608 754-0 · Fax +49 (0)89/608 754-99  
email: info@bonn-elektronik.com · home: www.bonn-elektronik.com