



**BONN HUNGARY  
ELECTRONICS**

**PC CONTROLLED  
FAST SWITCHING  
SYNTHESIZER**

**BSFX  
Family  
NDS # 307**

an ISO 9001 Certified Company



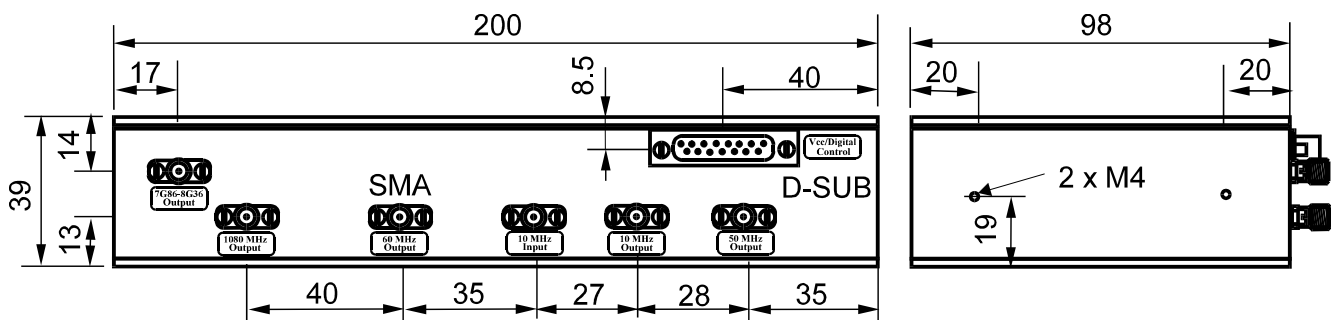
- FAST SWITCHING
- LOW PHASE NOISE
- LOW HARMONICS & SPURIOUS
- COMPACT DESIGN

**ELECTRICAL CHARACTERISTICS:**

Frequency Range (in bands)	2 – 10 GHz				
<b>Typical Data for BSFX 11</b>					
Synthesized Output Frequency	7.86-8.36GHz,*				
Frequency Step	10 MHz				
Switching Time	50 µsec(in full band)				
Fix Output Frequencies	1.08GHz, 60MHz, 50MHz, 10MHz,				
Internal Reference Stability	± 2 ppm				
External Reference Frequency	10 MHz				
Harmonics	- 40 dBc				
Outputs	Frequency:	7.86-8.36 GHz	1.08 GHz	60 MHz, 50 MHz	10 MHz
	Power:	+15 dBm	+15 dBm	+21 dBm	+15 dBm
Phase Noise @ Synthesized Output (dBc/Hz)	@ 100Hz	< -70	< -85	< -119	< -120
	@ 1kHz	< -85	< -110	< -139	< -140
	@ 10 kHz	< -90	< -115	< -144	< -150
Spurious		< -60	< -70	< -90	< -90
Operating Temperature Range	- 40 to + 70 °C				
Alarm Out	UNLOCK				
Frequency Control	RS-422 / 19.2, 115.2, 625.2, 1250 kBaud				
DC & Data connectors	DSUB15				
RF & Reference connectors	SMA-F				
Power Supply	+ 15 V / 0.9 A				

\*Other frequency range also available

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



**BONN Elektronik**

RF Systems, Instruments and Components

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