BGSJ11

40 – 160 MHz SYNTHESIZED FREQUENCY GENERATOR

- **HIGH STABILITY**
- **HIGH FREQUENCY RESOLUTION**
- **HIGH RF OUTPUT POWER**
- **LOW PHASE NOISE**
- **MANUAL & REMOTE CONTROL**
- **SMALL SIZE**

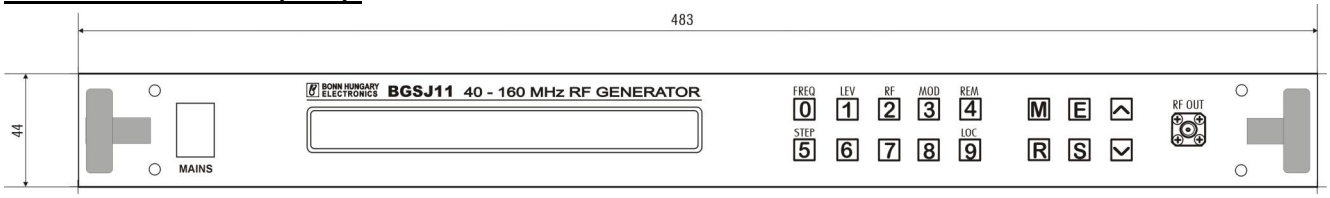
The BGSJ11 is a high quality synthesized frequency generator and driver amplifier intended mainly for use as frequency driving source for acousto-optic transducers and other instruments used in laser and electro-optical fields. The high power output makes it possible to drive the transducers without the need for external power amplifier. It is fully programmable and therefore it is an ideal source in research, development and in manufacturing lines as well.

Electrical characteristics:

Frequency Range (*)	40 – 160 MHz
Frequency Resolution	1 Hz
Frequency Stability	±1 ppm
Output Power (**)	+33 dBm ±0.5 dB
Output Power Control Range	50 dB
Monitor Output Power	-10 dBm
Phase Noise (F_{out}=160 MHz)	-110 dBc/Hz @ 100 Hz -130 dBc/Hz @ 1 kHz -135 dBc/Hz @ 10 kHz -140 dBc/Hz @ 100 kHz
Spurious	-55 dBc
Modulation Input	DC – 1 MHz, TTL level
Input Impedance	500 ohm
Extinction Ratio	60 dB, typ.
Connectors: RF Output&Monitor Modulation Input Remote Control	 SMA-F BNC-F DSUB-9
Manual Control	Front panel keyboard
Remote Control	RS-232
Supply Voltage	85-264 V AC
Power Consumption	35 W
Operating Temperature Range	0 – 60 °C
Size	19” Rack, 1U high

(*) Optionally other frequency band is available
(**) Optionally 4 watts or even higher power is available, please contact the factory.

Outline dimensions (mm):



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