



- **VERY WIDE FREQUENCY TUNING RANGE**
- **PC PROGRAMMABLE**
- **LOW PHASE NOISE**
- **BUILT IN HIGH STABILITY FREQUENCY REFERENCE**
- **SMALL SIZE**

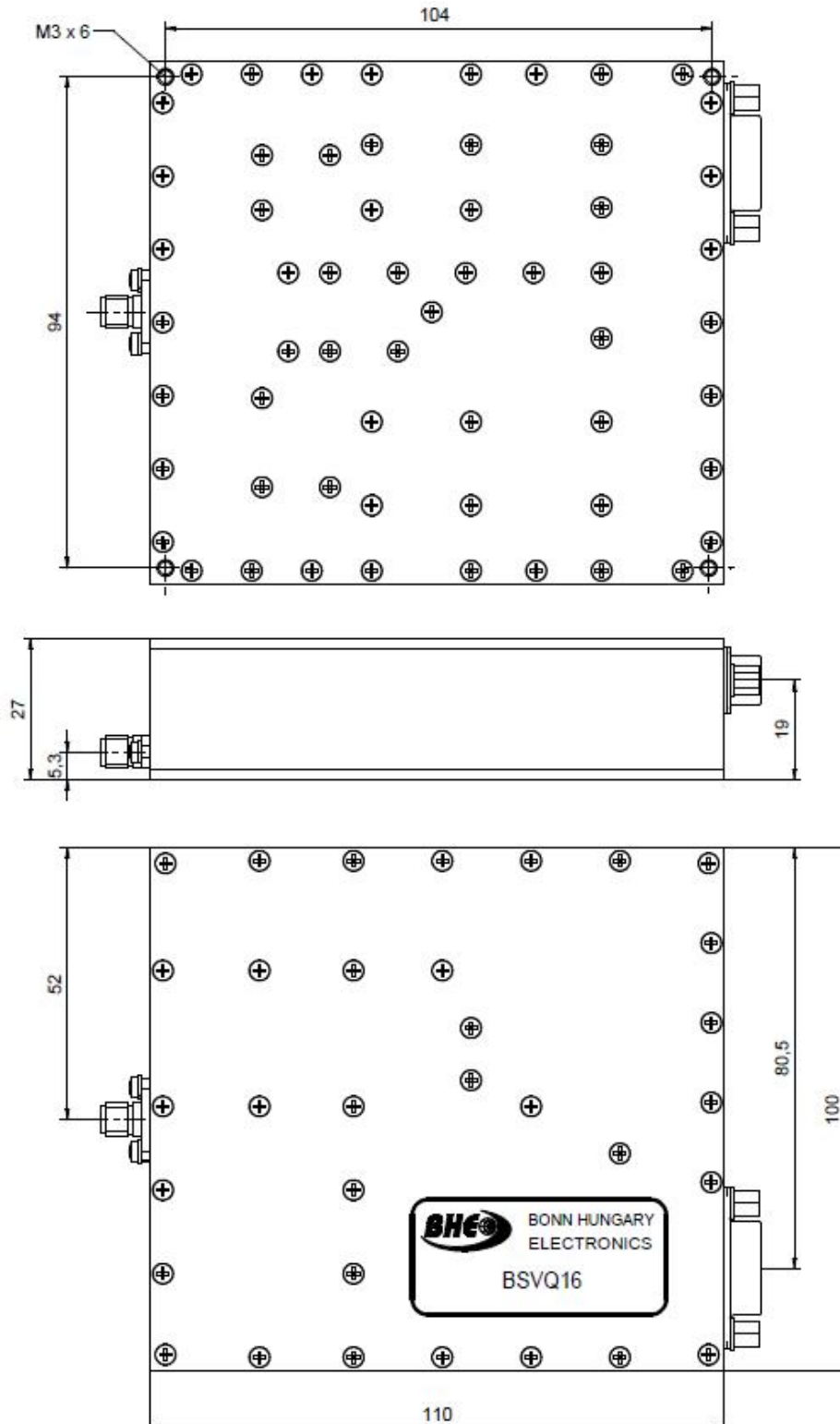
This synthesizer is intended for use in professional applications, where the extra wide frequency tuning range, PC programmability and compact size are important factors. This unit can be used in telecommunications, instrumentation and military applications.

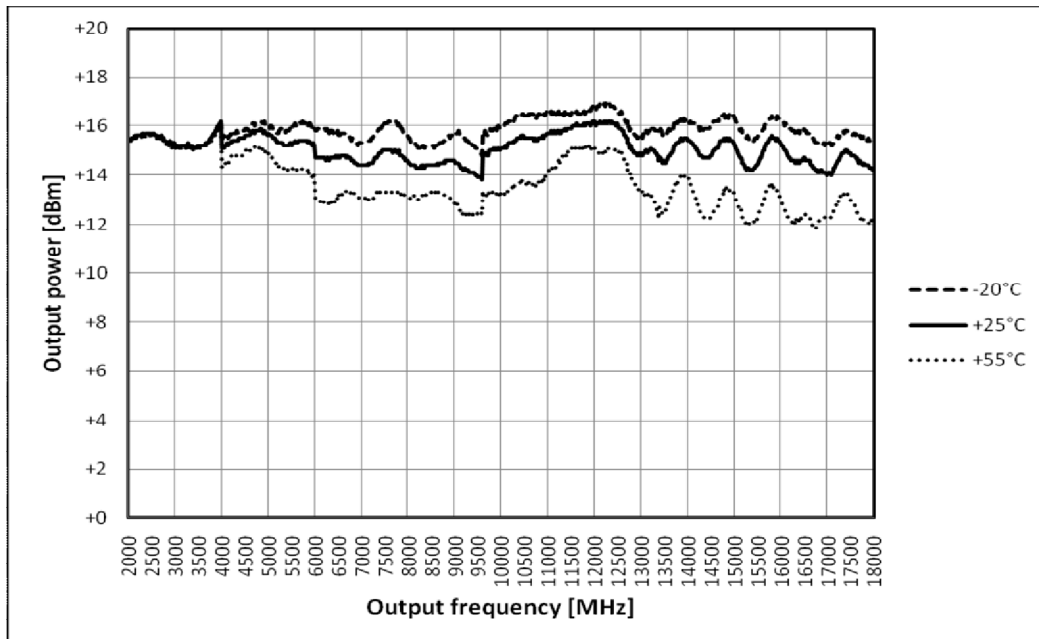
Electrical characteristics:

Frequency range	2000-18000MHz
Frequency step	1MHz
Output RF power	typ. +14dB, min. +10dBm
Spurious	typ. -60dBc, max. -50dBc
Harmonics	typ. -40dBc, max. -20 dBc
Frequency stability	+/-0.5ppm
Phase noise (typical)@18GHz	-76dBc/Hz@1kHz -78dBc/Hz@10kHz -90dBc/Hz@100kHz
Phase noise (typical)@2GHz	-90dBc/Hz@1kHz -92dBc/Hz@10kHz -105dBc/Hz@100kHz
Switching time	typical 10msec, max. 20 msec
Control	TTL level, 3 wires, CLK, DATA, LE, (other control is also possible)
Alarm	TTL level, "High" in LOCK, TTL "Low" in UNLOCK
Power supply	+15V DC@ max. 400mA.
Connector	DSUB-9 male (+15V DC, LOCK, Control)
Temperature range	-20°C to +55° C
Size	110 x 100 x 27 mm

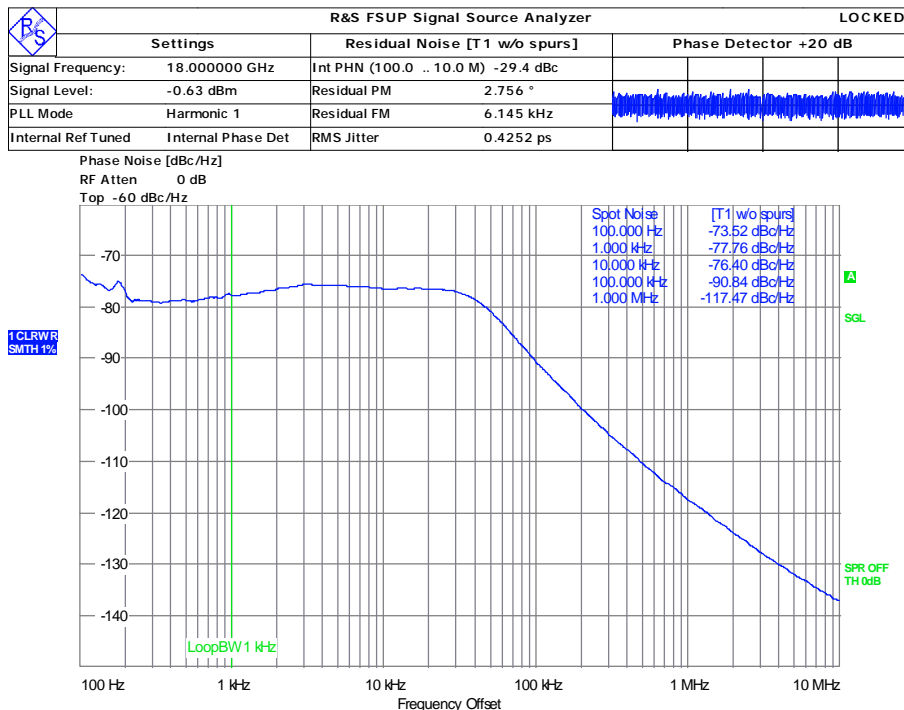


Outline dimensions (mm):





Output RF power versus frequency



Measurement Complete

Date: 12.AUG.2013 14:15:42

Typical phase noise @ 18GHz