

LOW NOISE PLO WITH INT. REF.

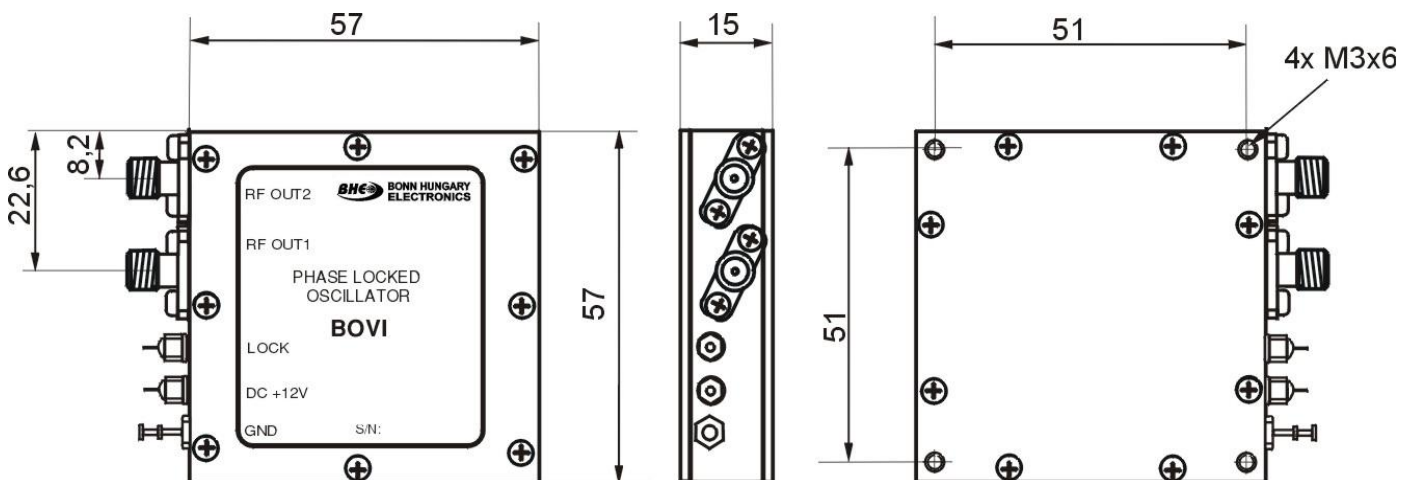
- **LOW PHASE NOISE**
- **LOW SPURIOUS**
- **COMPACT SIZE**
- **BUILT IN HIGH STABILITY REFERENCE**
- **SINGLE OR DUAL OUTPUTS**

Electrical characteristics:

Operating Frequency	1320MHz
Output Power (on RF Out1)	+10dBm min.
Output Power (on RF Out2-monitor) optional	-10dBm min.(50 Ohm Load on other Output)
Internal Reference Frequency Stability	better than +/-1ppm
Harmonics	-30dBc typ., -20dBc max.
Spurious	typical -80dBc, max. -70dBc
Phase Lock Alarm	TTL "H" in Lock, TTL "L" in Unlock
Phase Noise	-85dBc/Hz typ.-80dBc/Hz max. @ 100Hz -103dBc/Hz typ. -98dBc/Hz max @ 1kHz -110dBc/Hz typ. -105dBc max. @ 10kHz -128dBc/Hz typ. -123dBc max. @ 100kHz
Supply Voltage	+12V DC +/- 0.5V@85mA (max)
Operating Temperature Range	- 20°C to + 60°C
Storage Temperature Range:	- 40°C to + 70°C
Connectors: RF Output(s)	SMA Female
Supply Voltage:	Filtered feedthru
Phase Lock Alarm	Filtered feedthru
GND	Soldered Lug

Specifications are subject to change without notice.

Outline dimensions (mm):





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Phase noise:

Settings		Residual Noise [T1 w/o spurs]		Spot Noise [T1 w/o spurs]	
Signal Frequency:	1.320000 GHz	Int PHN (100.0 .. 10.0 M)	-63.1 dBc	100.000 Hz	-91.72 dBc/Hz
Signal Level:	9.71 dBm	Residual PM	56.644 m ²	1.000 kHz	-106.90 dBc/Hz
Cross Corr. Mode	Harmonic 1	Residual FM	137.572 Hz	10.000 kHz	-109.19 dBc/Hz
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.1192 ps	100.000 kHz	-130.84 dBc/Hz

