
LOW NOISE PLO WITH INT. REF.

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

Electrical characteristics:

Frequency Range	Fixed in 50 MHz – 4.0 GHz Band	
Operating Frequency	to be specified in Band	
Output Power (Single Output)	0...+17 dBm (to be specified)	
Output Power (Dual Outputs)	0...+12 dBm (to be specified)	
Internal Reference Frequency Stability	±0.9 ppm(optionally ±0.3 ppm)	
Harmonics	< - 20 dBc	
Spurious	Typical -80 dBc, min. -70 dBc	
Phase Lock Alarm	TTL “H” in Lock, TTL “L” in Unlock	
Supply Voltage	+12 V ± 10%	
Operating Temperature Range	-20 °C to +70 °C (opt. -40°C to +80 °C)	
Storage Temperature Range:	-40 °C to +85 °C	
Connectors: RF Output(s)	SMA Female	
Supply Voltage:	Filtered feedthru	
Phase Lock Alarm	Filtered feedthru	
GND	Soldered Lug	
Examples:	BOVI 14	BOVI 12
Operating Frequency	940 MHz	2430 MHz
Output Power	+4dBm	+7dBm
SSB Phase Noise @ 100 Hz	< - 90 dBc/Hz	< - 82 dBc/Hz
@ 1 kHz	< - 110 dBc/Hz	< - 100 dBc/Hz
@ 10 kHz	< - 117 dBc/Hz	< - 110 dBc/Hz
@ 100 kHz	< - 120 dBc/Hz	< - 120 dBc/Hz
@ 1 MHz	< -138 dBc/Hz	< -140 dBc/Hz
Power Supply	+12 V/ 220 mA	+12 V/ 65 mA
Features	Very low noise	Low noise, dual outputs Low consumption

Outline dimensions (mm):
