

## SMW Wideband XLNB's



### Wideband - SMW XLNB

SMW XLNB's are available four models for different combinations frequency ranges and receivers.

As standard Low Noise Figure and Phase Noise to receive digital- and analogue signals, F- or N-connector (option) and 2 Years Warranty.

All our INBs are individually hand tuned to get the very best performance available for each unit. Quality and long term reliability is also essential. Therefore are all INBs tested according to a very extensive test program, which includes heating, cooling, water-proof testing and rigorous electrical testing.

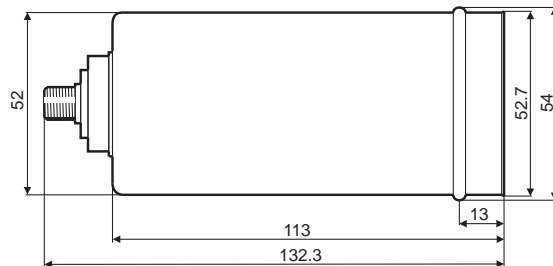
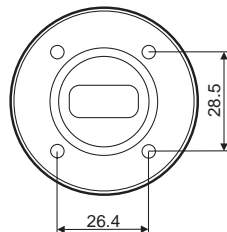
Swedish Microwave is the oldest manufacturer of INBs in Europe. In the product range we have DRO-INBs, PLL-INBs, LNAs, Block Downconverters (BDC), Up- & Down Converters, Quattro INBs, Twin INBs, Feed horns, Magnetic polarizers, Ortho mode transducers (OMT) and Line Amplifiers.

# Specification SMW XLNB

S M W		X-Line type A	X-Line type B	X-Line type C	X-Line type E
Frequency range		10.95 - 12.75 GHz	10.95 - 12.75 GHz (10.95 - 12.5 GHz)	10.7 - 12.75 GHz	10.7 - 12.75 GHz
LO frequency	Band 1	10.0 GHz	10.0 GHz	9.75 GHz	9.75 GHz
	Band 2	11.0 GHz	10.75 GHz	10.75 GHz	10.6 GHz
Output frequency		950 - 2050 MHz	950 - 2050 MHz (950 1750 MHz)	950 - 2050 MHz	950 - 2150 MHz

## General Specification SMW XLNB

Noise figure, typical		0.8 dB
Gain		52 +/- 3 dB
Gain variation		+/- 0.3 dB within 30 MHz
LO stability (over temp.)		+/- 3 MHz
Phase noise		-50 dBc @ 1 kHz -75 dBc @ 10 kHz -95 dBc @ 100 kHz
LO radiation		-50 dBm
Image rejection		50 dB min
1 dB gain compression point		+5 dBm
Input		WR-75 waveguide
Output		F-connector, 75 ohm, water proof
Output VSWR		2.0:1
DC power	Band 1	11.5 - 14 V
	Band 2	16 - 19 V
Current		140 mA typ
Temperature range		-30 to +60°C
Weight		230 g
Options		Low gain Offset LO-frequency, 9.75-12.0 GHz High stability LO, +/- 2 MHz over temp. Low output VSWR, 1.55:1 N-connector 50 ohm



Box 230  
 591 23 MOTALA, SWEDEN  
 Tel. +46 141 21 61 35  
 Fax. +46 141 21 52 24  
 e-mail: [info@smw.se](mailto:info@smw.se)  
 Website: <http://www.smw.se>