

PLL-LNB with High IP3 +25 dBm



With Excellent Phase Noise

The new PLL-LNB is mainly designed for applications receiving strong satellite signals in big dishes, but also in applications using a transmitter.

Except for the High IP3 +25 dBm the new PLL has an excellent Phase Noise, Low Noise Figure and available either with F-, N- or SMA- output connector.

Available with an external 10 MHz reference, or with internal LO stability ± 10 or ± 25 kHz.

Options include Customized LO, Separate DC power input and Extended frequency range.

All our LNBs 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 LNBs tested according to a very extensive test program, which includes heating, cooling, water-proof testing and rigorous electrical testing.

Swedish Microwave was founded 1986 and, within Europe, is the oldest manufacturer of LNBs. In the standard product range we have DRO-LNBs, PLL-LNBs, LNAs, Block Downconverters (BDC), Up- & Down Converters, Quattro LNBs, Twin LNBs, Ortho mode transducers (OMT), Line Amplifiers and Feed horns.

Swedish Microwave is today one of the leading manufacturers of microwave components needed for satellite receiving equipment and other industrial products.

Specification SMW PLL-LNB High IP3 +25 dBm

SMW PLL-LNB	9.75 GHz	10.0 GHz	10.25 GHz	10.5 GHz
Frequency range	10.7 - 11.8 GHz	10.95 - 12.1 GHz	11.2 - 11.7 GHz	11.45 - 12.2 GHz
LO frequency	9.75 GHz	10.0 GHz	10.25 GHz	10.5 GHz
Output frequency	950 - 2050 MHz	950 - 2100 MHz	950 - 1450 MHz	950 - 1700 MHz

SMW PLL-LNB	10.6 GHz	10.678 GHz	10.75 GHz	11.2 GHz
Frequency range	11.7 - 12.75 GHz	11.7 - 12.0 GHz	11.7 - 12.75 GHz	12.2 - 12.75 GHz
LO frequency	10.6 GHz	10.678 GHz	10.75 GHz	11.2 GHz
Output frequency	1100 - 2150 MHz	1022 - 1322 MHz	950 - 2000 MHz	1000 - 1550 MHz

SMW PLL-LNB	11.25 GHz	11.3 GHz	11.475 GHz
Frequency range	12.2 - 12.75 GHz	12.25 - 12.75 GHz	12.5 - 12.75 GHz
LO frequency	11.25 GHz	11.3 GHz	11.475 GHz
Output frequency	950 - 1500 MHz	950 - 1450 MHz	1025 - 1275 MHz

General Specification	SMW PLL-LNB High IP3 +25 dBm
Gain Dual PLL typ.	54 dB
Gain Single band typ.	52 dB
1 dB gain compression point	+15 dBm
IP3	+25 dBm
DC power	12 - 24 V
	330 mA max

For further specification see Dual PLL and Single band PLL ± 25 kHz, ± 10 kHz or external 10 MHz reference.



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