

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-LNBFrequency range
LO frequency
Output frequency

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General Specification
Gain Dual PLL typ.
Gain Single band typ.
1 dB gain compression point
IP3
DC power

9.75 GHz 10.7 - 11.8 GHz 9.75 GHz 950 - 2050 MHz

11.7 - 12.75 GHz

1100 - 2150 MHz

10.6 GHz

10.6 GHz

11.25 GHz

10.0 GHz 10.95 - 12.1 GHz 10.0 GHz 950 - 2100 MHz

10.678 GHz

10.678 GHz

11.7 - 12.0 GHz

1022 - 1322 MHz

10.25 GHz 11.2 - 11.7 GHz 10.25 GHz 950 - 1450 MHz **10.5 GHz** 11.45 - 12.2 GHz 10.5 GHz 950 - 1700 MHz

 10.75 GHz
 11.2 GHz

 11.7 - 12.75 GHz
 12.2 - 12.75 GHz

 10.75 GHz
 11.2 GHz

 950 - 2000 MHz
 1000 - 1550 MHz

12.2 - 12.75 GHz 12. 11.25 GHz 11. 950 - 1500 MHz 950

11.3 GHz 12.25 - 12.75 GHz 11.3 GHz 950 - 1450 MHz **11.475 GHz** 12.5 - 12.75 GHz 11.475 GHz 1025 - 1275 MHz

SMW PLL-LNB High IP3 +25 dBm

54 dB 52 dB +15 dBm +25 dBm 12 - 24 V 330 mA max

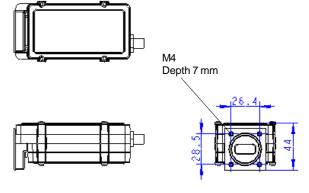
For further specification see Dual PLL and Single band PLL ±25 kHz, ±10 kHz or external 10 MHz reference.

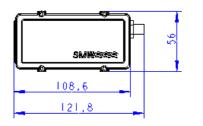


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