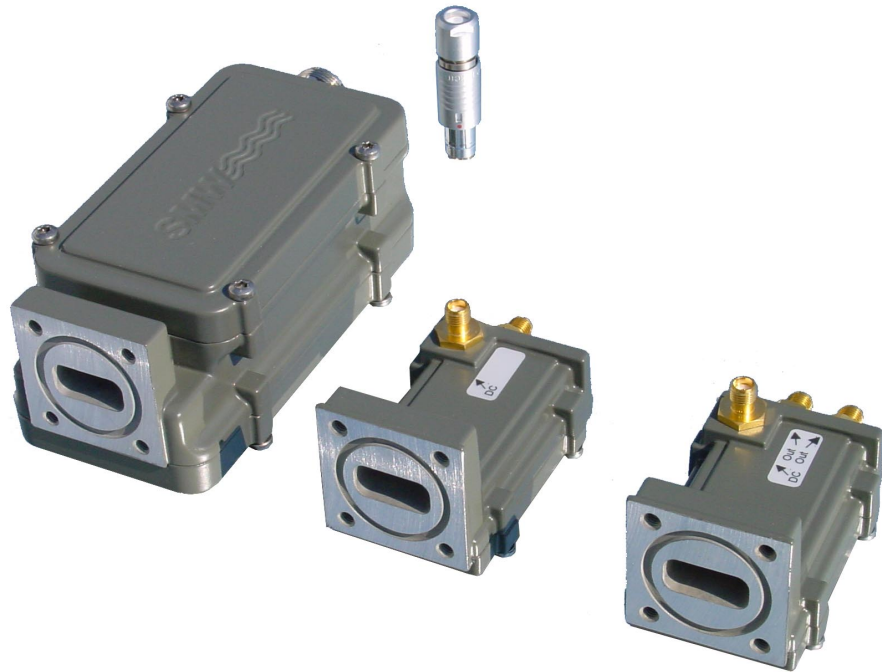


SMW Ku-band LNA's



Low Noise Ku-band LNA's

All models cover the whole Ku-band 10.7-12.75 GHz and the noise temperature is as low as 59K. Available in two designs, one small light weight with min. 33 dB Gain Single Output SMA or min. 27 dB Dual Output SMA. And one with min. 43 dB Gain and Single Output N-connector (SMA with adapter). The very high reliability allows two-year warranty.

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

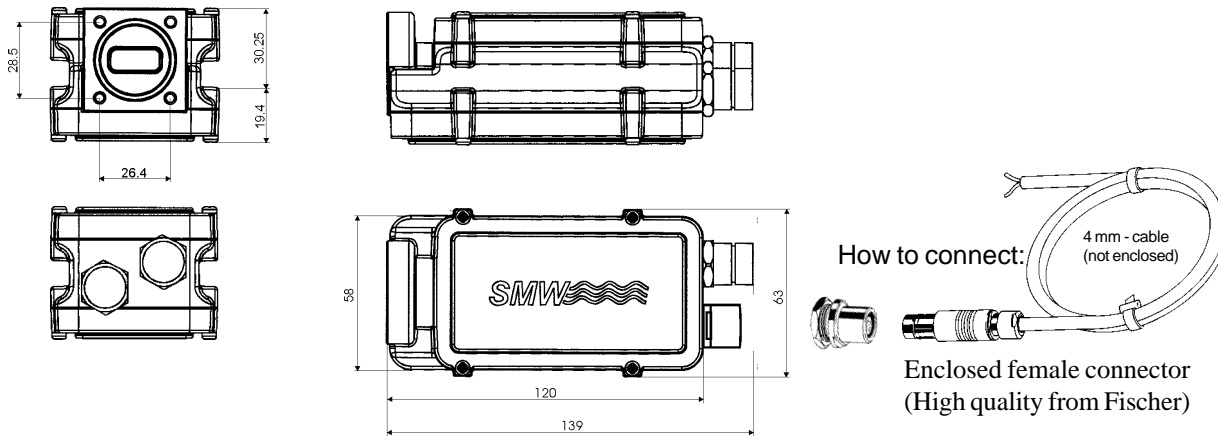
Swedish Microwave was founded 1986 and, within Europe, is the oldest manufacturer of LNAs. In the standard product range we have DRO-LNBs, PLL-LNBs, LNAs, Block Downconverters (BDC), Up- & Down Converters, Quattro LNBs, Twin LNBs, Ortho mode transducers (OMT), Line Amplifiers and Feed horns.

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

Specification SMW Ku-band LNAs

SMW	LNA 43 dB N	LNA 33 dB SMA	LNA 27 dB Dual SMA
Frequency range	10.7 - 12.75 GHz	10.7 - 12.75 GHz	10.7 - 12.75 GHz
Gain min.	43 dB	33 dB	27 dB
Gain variation max.	+/- 3 dB	+/- 3 dB	+/- 3 dB
Noise temp. typical	+/- 0.3 dB within 30 MHz	+/- 0.3 dB within 30 MHz	+/- 0.3 dB within 30 MHz
1 dB gain compression point	59K (0.8 dB)	59K (0.8 dB)	59K (0.8 dB)
3rd order intermodulation	0 dBm	0 dBm	-8 dBm
Input	+10 dBm	+10 dBm	+2 dBm
Output	Waveguide R120 (WR-75)	Waveguide R120 (WR-75)	Waveguide R120 (WR-75)
Option (with adapter)	N-connector	SMA-connector	SMA-connectors
DC power via separate connector	SMA-connector		
Operating temperature	12-24V / 40 mA typ	12-24V / 40 mA typ	12-24V / 40 mA typ
Dimensions	-30 to +60°C	-30 to +60°C	-30 to +60°C
Weight	139 x 58 x 50 mm	81 x 40x 40 mm	81 x 40x 40 mm
Option	626 g	124 g	124 g

LNA 43 dB



LNA 33 & LNA 27 dB

