



The Line Amplifiers are equalized to compensate the cable attenuation and other losses. Comes either with F-, N- or SMA-connectors. DC bypass is standard. Options include Separate DC power input via connector (F, N or SMA) or via two thin cables, 10 MHz bypass and high currency 5 A bypass.

All units 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 units 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 is today a leading manufacturer of professional LNBS (Low Noise Block converters). The company is located in Motala Sweden, and to date the products are installed in more than 100 countries.

All work is in-house allowing custom-design products, short delivery times, high flexibility, quick service and support.

## SPECIFICATION SMW Line Amplifier

<b>SMW</b>	<b>ILA 0-8 dB</b>	<b>ILA 5-10 dB</b>	<b>ILA 7-17 dB</b>	<b>ILA 10-15 dB</b>	<b>ILA 14-18 dB</b>
Gain @ 950 MHz typ.	0 dB	5 dB	7 dB	10 dB	14 dB
Gain @ 2150 MHz typ.	8 dB	10 dB	17 dB	15 dB	18 dB
Gain variation within 30 MHz	± 0.3 dB	± 0.2 dB	± 0.3 dB	± 0.2 dB	± 0.2 dB
1 dB gain compression point	+3 dBm	+3 dBm	+3 dBm	+3 dBm	+3 dBm
IP3	+13 dBm	+13 dBm	+13 dBm	+13 dBm	+13 dBm
Max. input level for typ. installation	-40 dBm	-40 dBm	-40 dBm	-40 dBm	-40 dBm
Noise figure typical	20.0 dB	15.0 dB	18.0 dB	15.0 dB	11.0 dB
Current consumption	35 mA max	35 mA max	35 mA max	35 mA max	35 mA max

### Typical specification

Frequency range	950 - 2150 MHz
VSWR input typical	1.9:1
VSWR output typical	1.9:1
Connectors (water proof)	F-type 75 ohm, N-type 50 ohm or SMA-type 50 ohm
DC power	12 - 24 Volt (DC by pass is standard)
Material	Diecast aluminium
Finish	Powder coat
Temperature range	-30 to +60° C
Weight	310 g (F & SMA), 352 g (N)
Size	96.3 x 26.1 x 82.8 mm (F)

### Option

Sep. DC power input (via F-, N- or SMA-connector, or via cable) with integrated DC-block(s)  
 10 MHz bypass (loss 1 dB)  
 High currency 5A max. bypass (this option is not possible together with 10 MHz bypass)

