

SMW ILA Inline Amplifier



PROFESSIONAL INLINE AMPLIFIERS WITH N-, F- OR SMA-CONNECT

All specified models are equalized to compensate the cable attenuation. Comes as standard either with F- or N-connectors, and with or without separate DC power inserter. Customized units are available by request, e.g. special gain, 10 MHz bypass and SMA-connectors. All units are individually hand tuned to get the very best performance available for each unit. Quality and long term reliability is also essential.

- Sep. DC power supply
- 10 MHz bypass (loss 5 dB)
- SMA-connectors (adapters) waterproof
- Customized specifications

SMW	ILA 17-20 DB	ILA 10-15 DB	ILA 7-17 DB	ILA 5-10 DB
Frequency range	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
VSWR-input typ	1.9:1	1.9:1	1.9:1	1.9:1
VSWR-output typ	1.9:1	1.9:1	1.9:1	1.9:1
Gain @ 950 MHz typ.	17 dB	10 dB	7 dB	5 dB
Gain @ 2150 MHz typ.	20 dB	15 dB	17 dB	10 dB
Gain variation within 30 MHz	± 0,2 dB	± 0,2 dB	± 0,3 dB	± 0,2 dB
1 dB gain compression point	+ 3 dBm	+ 3 dBm	+ 3 dBm	+ 3 dBm
Noise figure	8,0 dB typ	15,0 dB typ	18,0 dB typ	15,0 dB typ
Connectors (waterproof)	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm
DC power (DC by pass to the LNB)	12-24 Volt	12-24 Volt	12-24 Volt	12-24 Volt
Current consumption	35 mA max	35 mA max	35 mA max	35 mA max
Material	Diecast aluminium	Diecast aluminium	Diecast aluminium	Diecast aluminium
Finish	powder coat	powder coat	powder coat	powder coat
Temperature range	- 30° ... + 60 C	- 30° ... + 60 C	- 30° ... + 60 C	- 30° ... + 60 C
Weight	300 g (F) 340 g (N)	300 g (F) 340 g (N)	300 g (F) 340 g (N)	300 g (F) 340 g (N)

SMW	ILA 0-8 DB	ILA 14-18 DB	ILA 16-18 DB	ILA 18-24 DB HIGH POWER + 16 DBM
Frequency range	950-2150 MHz	950-2150 MHz	950-2150 MHz	950-2150 MHz
VSWR-input typ	1.9:1	1.9:1	1.9:1	1.9:1
VSWR-output typ	1.9:1	1.9:1	1.9:1	1.9:1
Gain @ 950 MHz typ.	0 dB	14 dB	16 dB	18 dB
Gain @ 2150 MHz typ.	8 dB	18 dB	18 dB	24 dB
Gain variation within 30 MHz	± 0,3 dB	± 0,2 dB	± 0,2 dB	± 0,2 dB
1 dB gain compression point	+ 3 dBm	+ 3 dBm	+ 3 dBm	+ 16 dBm
Noise figure	20,0 dB typ	11,0 dB typ	9,0 dB typ	16,0 dB typ
Connectors (water proof)	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm	F-type 75 ohm or N-type 50 ohm
DC power (DC by pass to the LNB)	12-24 Volt	12-24 Volt	12-24 Volt	12-24 Volt
Current consumption	35 mA max	35 mA max	35 mA max	35 mA max
Material	Diecast aluminium	Diecast aluminium	Diecast aluminium	Diecast aluminium
Finish	powder coat	powder coat	powder coat	powder coat
Temperature range	- 30° ... + 60 C	- 30° ... + 60 C	- 30° ... + 60 C	- 30° ... + 60 C
Weight	300 g (F) 340 g (N)	300 g (F) 340 g (N)	300 g (F) 340 g (N)	300 g (F) 340 g (N)

SMW VSS 20

INLINE AMPLIFIER

- For 15 ± 3 V DC
- 950-2400 MHz
- Gain: 20 dB

