

Multi-band amplifiers

Type	HMB 6	HMB 10A	HMB 10B	HMB 10S
Order number	940 310-001	940 311-001	940 312-001	940 313-001



Number of inputs	St.	5	5	6	8
Number of outputs	St.	1	1	1	2
Number of channel filters	St.	6	6	10	10
Test socket	St.	no	1 (- 20 dB)	1 (- 20 dB)	1 (- 20 dB)
Gain					
Input BI/FM	dB	24	48	48	45
Input BIII/DAB	dB	35	48	48	45
Input HF and UHF (aux)	dB		39	39	35
Input UHF 1	dB	48	55	55	50
Input UHF 2	dB	42	55	55	50
Input UHF 3	dB	30		55	50
Input SAT 1	dB				36-49 slope
Input SAT 2	dB				36-49 slope
Attenuation	dB	0-20	0-20	0-20	0-20
Selectivity	dB / MHz		16/16	16/16	16/16, 40@862
Noise figure					
VHF	dB	9.0/3.0	5.0	5.0	5.0
DVB-T VHF	dB		5.0	5.0	5.0
VHF and UHF (aux)	dB		6.0	6.0	6.0
UHF	dB	3.0/5.0/5.0	9.0	9.0	9.0
SAT	dB				6.0
Output level (IMA3 /-60 dB/third order)					
BI	dB μ V	103	124	124	118
BIII	dB μ V	108	124	124	118
VHF/UHF (aux)	dB μ V		124	124	118
UHF	dB μ V	112/115/112	124	124	118
SAT (-35 dB)	dB μ V				118
General data					
DC (pre-amplifier)	V/mA	12/50	12 or 24/60	12 or 24/60	12 or 24/60
LNB supply	V/mA				0/13/17/300
	kHz			0-22	
Power supply	VAC/Hz	230/50	230/50	230/50	230/50
Connections		F sockets	F sockets	F sockets	F sockets
Impedance	Ohm	75	75	75	75

The programmable multi-band amplifier HMB 10 is ideally suited for implementation in a network where many different signals must be amplified and distributed.

With just one device digital and analog signals from up to 8 differently aligned terrestrial TV and FM antennas or SAT antennas can be actively interconnected.

Additional equipment features:

- Very flexible thanks to 10 highly selective and adjustable filters in the VHF range
- In the amplifier, integrated easy programming. Channels are programmed directly via the keypad and are shown in the numeric display
- All settings can be transferred to other amplifiers. The programmed data can be copied to off-the-shelf MMC/SD memory cards and imported into other amplifiers.
- Up to 8 inputs, depending on type: FM, BIII, VHF/UHF aux, 3 UHF inputs, 2 SAT inputs
- Signal level