

Shielded Multiband Preamplifiers

SBASeries



Data Sheet



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- Very high UHF gain.
- Sat-IF coupling in the SBA-290 model.
- Interstage variable attenuators.
- Optimum design for very low operative noise figure.
- Internal injection-moulded zinc alloy housing (tin-plated sheet chassis for SBA-353 and SBA-373 models) with F type ports.
- External HIPS (high-impact polystyrene) box, with fixing plastic clamp for 20-50 mm diameter masts. IP55 weatherproofing grade.
- Protection against lightning.

	SBA-120	SBA-100	SBA-202	SBA-290	SBA-220	SBA-210	SBA-353	SBA-373	SBA-201
Ref.	3390	3398	3385	1213	3394	3399	1218	1219	1216
RF inputs	1	1	2	2	2	2	3	3	1 (VHF/UHF) or 2 (VHF - UHF)
Frequency range	UHF	UHF	VHF UHF	UHF SAT (950 – 2150MHz)	FM - UHF	(BI/DAB/BIII) UHF	BI/DAB/BIII UHF - UHF	BI/DAB/BIII BIV - BV	VHF/UHF
Nominal gain dB	UHF: 35	UHF: 40	VHF: -1 UHF: 25	UHF: 35 SAT: -2	FM: 22 UHF: 40	BI/DAB/BIII: 30 UHF: 40	BI/DAB/BIII: 30 UHF1: 35 UHF2: 35	BI/DAB/BIII: 30 BIV: 368 ¹ BV: 36 ¹	VHF: 16 UHF: 23
Gain adjustment dB	0 - 15	0 - 15	0 - 18	0 - 15	0 - 15	0 - 15	0 - 15	0 - 15	0 - 10 independent for VHF and UHF
Noise figure dB	≤ 3	≤ 2	VHF: - UHF: ≤ 2	≤ 3	FM: ≤ 5 UHF: ≤ 2	BI/DAB/BIII: ≤ 3.5 UHF: ≤ 2	BI/DAB/BIII: ≤ 3 UHF: ≤ 5	BI/DAB/BIII: ≤ 3 BIV, V: ≤ 4	VHF: ≤ 5 UHF: ≤ 3
Output level dBμV	114 *	105	106	105	105	103	103	105	105
Rejection to BII (FM) dB	-	-	≥ 25	-	-	≥ 25	≥ 30	≥ 30	0/20
Input isolation dB	-	-	-	-	≥ 26	≥ 26	≥ 18	≥ 18	-
Operation voltage ² V _{DC}	+24	+24	+24	+12 / 24 ³	+24	+24	+24	+24	+24
Consumption mA	50	30	40	50 (12V), 70 (24V)	30	30	80	80	50
Dimensions mm	96x125x46	96x125x46	96x125x46	96x125x46	96x125x46	96x125x46	150x112x68	150x112x68	96x125x46

* The high signal capacity of the SBA-120 is reinforced with two built-in notch filters that allow selective attenuation of 1 or 2 very strong channels which cause transmodulation. Adjustment range extends to GSM 900 mobile telephony frequencies.

¹ Consult for other splits different to BIV and BV.

² All models, except SBA-290: Line powering via down-lead coax cable, from an APB-624 power supply or a next device fitted with feed-through facility.

³ Line powering via down-lead coax cable:

- From a 'Satellite Receiver + APB-912 Power Supply' assembly. Passing of voltage/tone to SAT input port.
- In the case of not using the SAT input, from an APB-912 or APB-624 power supply.

RF inputs in SBA-201 model: Configuration Switchable, amplification of signals coming from either 2 separate VHF and UHF antennas, or 1 combined VHF/UHF antenna.

