

SAB Series

Band amplification system with separate VHF and UHF signal processing, to reduce the IM2 products.

APPLICATION

The different models in the SAB series cover a wide range of applications:

SAB 401/SAB 402 can be used as a distribution amplifier, the final amplifier in a CATV network or an extension amplifier for collectives.

SAB 401 is designed for working in high temperature environments.

SAB 304/SAB 404, suitable for use as a band amplifier for communities.

SAB 301/SAB 301-A, broadband amplifiers which allow a complete processing of all TV channels, from 47 to 862 MHz.

CHARACTERISTICS

- The circuit is housed in a single-part metal case which includes all the input-output connectors.
- It has shielding at the top and bottom.
- High level of mechanical rigidity and complete protection against electrical interference.



Supply voltage	230 Vac -10 % +15%
Current drawn	8 VA
Operating temperature range	0 ÷ 50° C

MODEL		SAB 304	SAB 404	SAB 401	SAB 402	SAB 301	SAB 301-A
Reference		35304	35404	35415*	35402	35301	35302
Number of inputs		4	4	1	1	1	1
Band coverage		BI / FM / BIII / UHF	BI / FM / BIII / UHF	BI, FM, BIII, UHF	BI, FM, BIII, UHF	47 ÷ 862 MHz	87,5 ÷ 862 MHz
Output level DIN 45004B (-60 dB)*	dB μ V	109	117	111	117	116	116
Gain	dB	30	40 / 33 / 40 / 40	40, 33, 40, 40	40, 33, 40, 40	28 ÷ 35	28 ÷ 35
Input and output impedance	Ω	75	75	75	75	75	75
Noise figure	dB	5	5	7, 7, 7, 6	7, 7, 7, 6	12...8	12...8
Regulation	dB	20	20	20	20	20	20
Tilt regulation	dB	—	—	—	—	0 ÷ 11	0 ÷ 11
Return path covered band	MHz	—	—	—	—	5 ÷ 30	5 ÷ 65
Return path insertion losses	dB	—	—	—	—	-3,5	-3,5
Packing dimensions	mm	250 x 125 x 62					
Weight	Kg	0,8					

*With auxiliary supply of + 24 V (20 mA)