

# SAB Series

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

**APPLICATION**

Suitable as a distribution amplifier, or an extension amplifier for collectives. **SAB 401** is designed for working in high temperature environments.

**SAB 301/SAB 301-A**, broadband amplifiers which allow a complete processing of all TV channels, from 47 to 862 MHz. They can also be used as final amplifier in CATV network.

**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, that assures a high level of mechanical rigidity and complete protection against electrical interference.
- SAB 301/SAB 301-A have return path, tilt regulation and test output.



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

MODEL		SAB 401**	SAB 402	SAB 301	SAB 301-A
Reference		35415	35402	35301	35302
Number of inputs		1	1	1	1
Band coverage		BI, FM, BIII*, UHF	BI, FM, BIII*, UHF	47 ÷ 862 MHz	87,5 ÷ 862 MHz
Output level DIN 45004B (-60 dB)	dBµV	111	117	116	116
Gain	dB	40, 33, 40, 40	40, 33, 40, 40	28 ÷ 35	28 ÷ 35
Input / output impedance	Ω	75	75	75	75
Noise figure	dB	7, 7, 7, 6	7, 7, 7, 6	12...8	12...8
Regulation	dB	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			

\* BIII : 132 - 300 MHz (S 05 - S 20)  
 \*\* With + 24 V (20 mA) auxiliary output

**SAB 401 / SAB 402  
 SAB 301/SAB 301-A**

