

BAND AMPLIFIER SAB SERIES



DESCRIPTION

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

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

- SAB 252, specifically designed for use as a **MICROMATV®** output amplifier.
- 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.

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

| | |
|-----------------------------|--------------------|
| Supply voltage | 220 Vac \pm 10 % |
| Current drawn | 10 W |
| Operating temperature range | 0 ÷ 50° C |

TECHNICAL SPECIFICATIONS

| MODEL | SAB 252 | | | SAB 304 | | | | SAB 401 | | | | SAB 402 | | | | SAB 404 | | | | |
|--------------------------------------|---------|-----------------------------|------------------|------------------|----------------|------------------|-------------------|------------------|---------------|------------------|-------------------|------------------|---------------|------------------|-------------------|------------------|---------------|------------------|-------------------|------------------|
| Reference | 35252 | | | 35304 | | | | 35415 | | | | 35402 | | | | 35404 | | | | |
| Nr. of inputs | 1 | | | 4 | | | | 1 | | | | 1 | | | | 4 | | | | |
| Frequency range | MHz | VHF 47 ÷ 68 174÷230 | FM 87,5 ÷ 108 | UHF 470 ÷ 862 | BI 47 ÷ 68 | FM 87,5 ÷ 108 | BIII 174 ÷ 230 | UHF 470 ÷ 862 | BI 47 ÷ 68 | FM 87,5 ÷ 108 | BIII 132 ÷ 300 | UHF 470 ÷ 862 | BI 47 ÷ 68 | FM 87,5 ÷ 108 | BIII 132 ÷ 300 | UHF 470 ÷ 862 | BI 47 ÷ 68 | FM 87,5 ÷ 108 | BIII 174 ÷ 230 | UHF 470 ÷ 862 |
| Input and output impedance | Ω | 75 | | | | | | | | | | | | | | | | | | |
| Gain | dB | 25 | 33 | 25 | 30 | | | 40 | 33 | 40 | | 40 | 33 | 40 | | 40 | 33 | 40 | | |
| Gain regulation | dB | 20 (separate for each band) | | | | | | | | | | | | | | | | | | |
| Noise figure | dB | 7 | | 6 | 5 | | | 7 | | | 6 | 7 | | 6 | 5 | | | | | |
| Output level DIN 45004B (-60 dB)* | dBμV | 117 | | | 109 | | | 111 | | | 117 | | | 117 | | | | | | |
| Auxiliary output | | — | | | + 24 V (20 mA) | | | — | | | — | | | — | | | | | | |
| Input / output connectors | | F (f) | | | | | | | | | | | | | | | | | | |
| Packing dimensions | mm | 250 x 125 x 62 | | | | | | | | | | | | | | | | | | |
| Weight | Kg | 0,8 | | | | | | | | | | | | | | | | | | |

* FM: DIN 45004B (-30 dB).