

BROADBAND AMPLIFIER

SAB 301 SERIES



DESCRIPTION

Broadband amplifier, which allows a complete processing of all TV channels, from 47 to 862 MHz.

It also includes RETURN PATH.

Due to its high linearity, output level of 116 dBμV is achievable with very low IM3 products (-60 dB).

The SAB 301 Amplifier has a built-in, fixed equaliser of 7 dB and a variable slope control of 11 dB to compensate the coaxial cable response.

The circuit is mounted in a metallic Zamak housing with a screening factor of >65 dB at 862 MHz. A connection point for output level TEST is available.

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

TECHNICAL SPECIFICATIONS

| MODEL | | | SAB 301 | SAB 301-A |
|---------------------------------------|--|--|----------------|------------|
| Reference | | | 35301 | 35302 |
| Number of inputs | | | 1 | 1 |
| TV signal frequency range | | | 47 ÷ 862 | 87,5 ÷ 862 |
| Return path frequency range | | | 5 ÷ 30 | 5 ÷ 65 |
| Max. output level IM2 (-60 dB) | | | 115 | |
| Max. output level DIN 45004B (-60 dB) | | | 116 | |
| Input/output impedance | | | 75 | |
| Return losses (RL) | | | >10 | |
| Gain at 47 MHz | | | 28 | |
| Gain at 862 MHz | | | 35 | |
| Return path insertion losses | | | -3,5 | |
| Test output attenuation | | | -30 | |
| Gain regulation | | | 20 ±3 | |
| Tilt regulation | | | 11 | |
| Noise figure | | | 11 ÷ 7 | |
| Screening factor | | | >75 | |
| | | | >65 | |
| Input/Output/Test connectors | | | F(f) | |
| Packing dimensions | | | 250 x 125 x 62 | |
| Weight | | | 0,8 | |