

Code: SA-51

## AMPLIFIER FOR MULTISWITCHES **SA-51** 5 INPUTS / 5 OUTPUTS TERRA

The SA-51 multiswitch bus amplifier is designed for use in SMATV systems based on 5-input multiswitches. The device has 4 satellite inputs and 1 DVB-T/Radio input and placed on the input of the SMATV system allows to amplify and equalize the signal level before further distribution.

The use of the SA-51 amplifiers allows for building large multiswitch systems distributing signals even to hundreds of subscriber outlets. The adjustment of the signal levels is made with dedicated switches and ensures stability of the adjustments.

Die-cast housing guarantees high screening efficiency - class A.



|   |   |
|---|---|
| Inputs:                                   | 4x 950 MHz ... 2400 MHz ,<br>1x 47 MHz ... 790 MHz  |
| Outputs:                                  | V.Lo, H.Lo, V.Hi, H.Hi, RTV   |
| SAT amplification:                        | 22 dB   |
| SAT Gain control:                         | 0 ... 15 dB by 1 dB step  |
| SAT amplification (cable pre-correction): | 0 / 3 / 5 / 7 dB  |
| TV amplification:                         | 22 dB   |
| TV Gain control:                          | 0 ... 15 dB by 1 dB step  |
| TV amplification (cable pre-correction):  | 0 / 6 / 12 / 18 dB  |
| Isolation:                                | <ul style="list-style-type: none"> <li>• Between inputs SAT/SAT 30 dB</li> <li>• Between inputs TV/SAT 30 dB</li> </ul> |
| Self-noises:                              | < 9 dB  |
| Maximal output level SAT:                 | 114 dB $\mu$ V  |
| Maximal output level TV:                  | 109 dB $\mu$ V  |
| Device powering:                          | 14 V DC / 0.5 A ,<br>18 V DC / 2 A ( max. 1 A for 1 line )  |
| Pre-amplifiers powering:                  | 12 V DC / 0.1 A   |
| DC pass (max.):                           | 2 A   |
| Power supply:                             | 230 V AC, 50 / 60 Hz  |
| Power consumption:                        | 5 W   |



# DATA SHEET

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|                       |                   |
|-----------------------|-------------------|
| Operation temp:       | -20 °C ... 50 °C  |
| Dimensions:           | 284 x 135 x 52 mm |
| Weight:               | 0.83 kg           |
| Manufacturer / Brand: | TERRA             |
| Guarantee:            | 2 years           |