TERRA

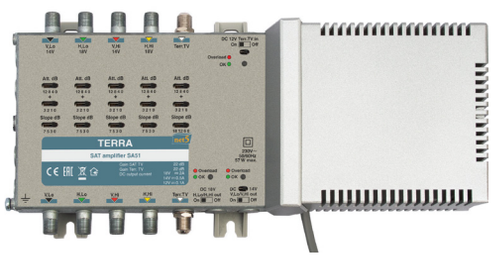
# 5 cable system
# Launch and line amplifiers

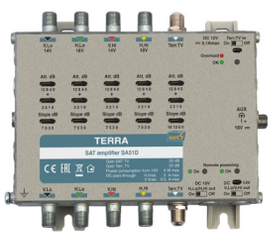
- for compensation of through losses of multiswitches and interconnection cables in 5 cable distribution systems
- cascadable with 5 cable system components: taps, splitters and multiswitches
- signal level control and adjustable equalizer at all inputs
- push-pull amplifier on terrestrial TV line
- die-cast housing

**SA51**
launch amplifier for amplifying of 4 SAT IF and terrestrial TV signals; built-in switch-mode power supply allows to feed: 18 V DC via H inputs and 14 V DC via V inputs to up lines; switchable 18 V DC via H outputs and switchable 14 V DC via V outputs to down lines;
switchable 12 V DC via Terr. TV input

**SA51D**
line amplifier for amplifying of 4 SAT IF and terrestrial TV signals; in line powering through H lines;
switchable DC pass through H and V lines;
switchable 12 V feeding via Terr. TV input;
remote powering voltage indication

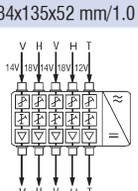
net5

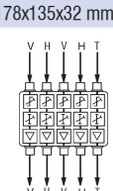




## Technical specifications

| TYPE | | SA51 | SA51D |
|---|---|---|---|
| **Ordering number** | | 02730 | 02731 |
| **Frequency range** | SAT IF | 950-2400 MHz | |
| | Terr. TV | 47-862 MHz | |
| **Gain** | SAT IF, adjustable | 22 dB (0 ÷ -15 dB) by 1 dB step | |
| | Terr. TV, adjustable | 22 dB (0 ÷ -15 dB) by 1 dB step | |
| **Slope** | SAT IF, switchable | 0/3/5/7 dB | |
| | Terr. TV, switchable | 0/6/12/18 dB | |
| **Isolation** | SAT/SAT | 30 dB | |
| | SAT/Terr. TV | 30 dB | |
| **Noise figure, typical** | | ≤ 9 dB | |
| **Output level IMD3=60 dB Terr. TV**** | | 109 dBμV | |
| **Output level IMD3=35 dB SAT IF**** | | 114 dBμV | |
| **External equipment** | through V lines | 14 V 0.5 A max. (switchable) | - |
| **powering** | through H lines | 18 V 2 A* max. (switchable) | - |
| | through Terr line | 12 V 0.1 A max. (switchable) | - |
| **DC pass through, switchable through H lines** | | 2 A* max. | |
| **Power consumption** | | 230 V~ 50/60 Hz 5 W** | DC 9-18 V 4 W*** |
| **Operating temperature range** | | -20° ÷ + 50° C | |
| **Dimensions/Weight (packed)** | | 284x135x52 mm/1.0 kg | 178x135x32 mm/0.6 kg |




* 1 A max. through one line
** without external DC loading; with maximal external DC load - 55 W
*** in line powering of SA51D through H lines
**** measured using 2 equal signals