



# 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 at all inputs
- built-in adjustable equalizer and push-pull amplifier on terrestrial TV line
- fixed 7 dB (5 dB for SA502) slope pre-correction on SAT IF lines

**SA501, SA502**

launch amplifiers 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; 18 V DC (switchable) via H outputs and 14 V DC via V outputs to down lines; 12 V DC via Terr. TV input (switchable)

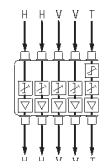
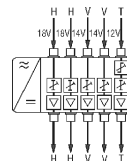
**SA511**

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



**Technical specifications**

TYPE		SA501	SA502	SA511
Ordering number		01740	01774	01741
Frequency range	SAT IF	950-2400 MHz		
	Terr. TV	47-862 MHz		
Gain	SAT IF, adjustable	15-22 dB (0 ÷ -10 dB)	28-33 dB (0 ÷ -10 dB)	15-22 dB (0 ÷ -10 dB)
	Terr. TV, adjustable	17 dB (0 ÷ -20 dB)	32 dB (0 ÷ -20 dB)	17 dB (0 ÷ -20 dB)
Slope	SAT IF, fixed	7 dB	5 dB	7 dB
	Terr. TV, adjustable	0 ÷ -15 dB		
Isolation	SAT/SAT	30 dB		
	SAT/Terr. TV	30 dB		
Noise figure, typical		≤ 9 dB	< 8 dB	≤ 9 dB
Output level IMD3=60 dB(DIN45004B) Terr. TV		112 dBμV	116 dBμV	112 dBμV
Output level IMD3=35 dB(EN50083-3) SAT IF		114 dBμV	116 dBμV	114 dBμV
External equipment powering	through V lines	14 V (14 V+12 V 0.6 A max.)		-
	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 Hz 7 W*	230 V~ 50 Hz 8 W*	DC 9-18 V 4 W**
Operating temperature range		-20° ÷ + 50° C		
Dimensions/Weight (packed)		227x128x53mm/0.8 kg		170x128x53mm/0.53 kg



\* without external DC loading; with maximal external DC load - 57 W

\*\* in line powering of SA511 through H lines