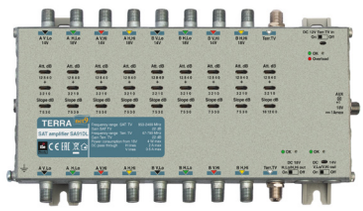
TERRA

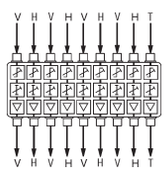
9 cable system
Launch and line amplifiers

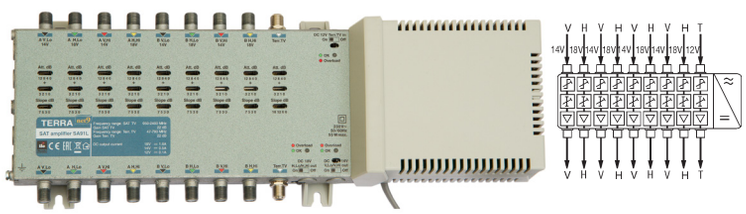
- for compensation of through losses of multiswitches and interconnection cables in 9 cable distribution systems
- integrated LTE signal suppression filter
- signal level control and adjustable equalizer at all inputs
- push-pull amplifier on terrestrial TV line
- die-cast housing

SA91L
launch amplifier for amplifying of 8 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

SA91DL
line amplifier for amplifying of 8 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







Technical specifications

TYPE		SA91L	SA91DL
Ordering number		02781	02782
Frequency range	SAT IF	950-2400 MHz	
	Terr. TV	47-790 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 powering	through V lines	14 V 0.5 A max. (switchable)	-
	through H lines	18 V 1.8 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 7 W**	DC 9-18 V 5 W***
Operating temperature range		-20° ÷ + 50° C	
Dimensions/Weight (packed)		335x135x52 mm/1.18 kg	255x135x32 mm/0.9 kg

* 1 A max. through one line
** without external DC loading; with maximal external DC load - 55 W
*** in line powering of SA91D through H lines
**** measured using 2 equal signals; output level by DIN45004B - add 3 dB to mentioned above value