SAT IF distribution system



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









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	ТҮРЕ	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, typica	al	≤ 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 1.8 A* max. (switchable)	-				
	through Terr line	12 V 0.1 A max. (switchable)	-				
DC pass through, s	witchable through H lines	2 A* max.					
Power consumption	n	230 V~ 50/60 Hz 7 W**	DC 9-18 V 5 W***				
Operating tempera	ture range	-20° ÷ + 50° C					
Dimensions/Weigh	t (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