

System accessories

Splitband amplifiers

- for amplification signals of SAT IF and terrestrial TV bands
- suitable for signals combining of SAT IF and terrestrial TV bands
- possibility to feed LNBS from external power supply
- possibility of DC and DiSEqC signals pass
- built-in separate gain & slope regulators for every band
- die-cast housing

HSA100

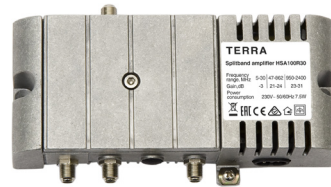
SAT IF amplifier with switchable active/passive terrestrial TV path

HSA100R30

SAT IF amplifier with switchable active/passive terrestrial TV path and 30 MHz passive return path

HSA100R65

SAT IF amplifier with switchable active/passive terrestrial TV path and 65 MHz passive return path



Technical specifications

T Y P E		HSA100	HSA100R30	HSA100R65
Ordering number		01778	01779	01780
Forward path				
Frequency range	SAT IF	950- 2400 MHz		
	Terr. TV	47-862 MHz		87-862 MHz
Gain	SAT IF	23-31 dB (pre-correction)		
	Terr. TV	21-24 dB (pre-correction)/-4 dB, switchable		
Gain adjustment	SAT IF	10 dB		
	Terr. TV*	18 dB		
Slope adjustment	SAT IF	14/8 dB switchable		
	Terr. TV*	18 dB		
Input and output return loss	SAT IF	≥ 10 up to 1750 MHz, 1750-2400 MHz linear decrease from 10 dB up to 7 dB		
	Terr. TV	≥ 10 dB		
Maximal output level IMD3=35 dB (EN60728-3)	SAT IF	120 dBμV (2 equal carriers)		
Maximal output level IMD3=60 dB (DIN45004B)	Terr. TV	115 dBμV		
Noise figure	SAT IF	8 dB		
	Terr. TV	8 dB		
Return path				
Frequency range		-	5 - 30 MHz	5-65 MHz
Loss		-		3 dB
Return loss		-		> 14 dB
General				
Mains power consumption		230 V~ 50/60 Hz 7.5 W		
Temperature range		-20° ÷ +50° C		
Dimensions		185x91x47 mm/0.7 kg		

* terrestrial TV signal gain, slope adjustment and return path are not available in passive terrestrial TV mode

