



# System accessories

## Splitband amplifiers

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

**SA100**

SAT IF amplifier with passive terrestrial TV path

**HSA100**

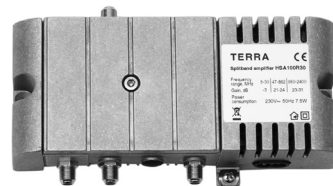
SAT IF amplifier with active/passive terrestrial TV path, switchable

**HSA100R30**

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

**HSA100R65**

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



Technical specifications

TYPE		SA100	HSA100	HSA100R30	HSA100R65
Ordering number		01777	01778	01779	01780
<b>Forward path</b>					
Frequency range	SAT IF	950- 2400 MHz			
	Terr. TV	5-862 MHz	47-862 MHz	87-862 MHz	
Gain	SAT IF	23-31 dB (pre-correction)			
	Terr. TV	-4 dB	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 (EN50083-3)	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			
<b>Return path</b>					
Frequency range		-		5 - 30 MHz	5-65 MHz
Loss		-		-3 dB	
Return loss		-		> 14 dB	
<b>General</b>					
Mains power consumption		230 V~ 50 Hz 5 W	230 V~ 50 Hz 7.5 W		
Temperature range		-20° ÷ +50° C			
Dimensions		185x91x47 mm/0.7 kg			

\* terrestrial gain, slope adjustment and return path are not available at passive terrestrial TV mode

