

House amplifiers

Apartament amplifiers

- amplifiers with two outputs for small apartment networks
- built-in power supply
- shielded metal case inside of the plastic housing

AS033

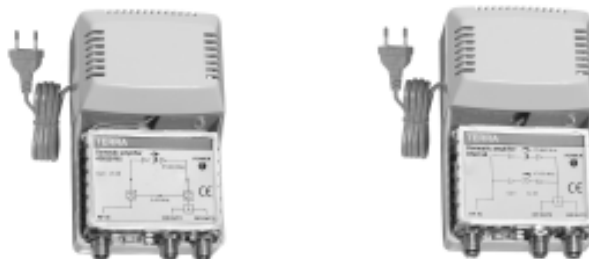
broadband amplifier with gain adjustment

AS033R30, AS033R65

the same like AS033 just with return path 30 MHz and 65 MHz

HS013A

splitband amplifier with separate gain adjustment in VHF and UHF ranges



Technical specifications

T Y P E		AS033	AS033R30	AS033R65	HS013A
Ordering number		00552	00553	00554	01588A
Frequency range	forward path	47-862 MHz		87-862 MHz	47-400/470-862 MHz
	return path	-	5-30 MHz	5-65 MHz	-
Gain*		16 dB/47 MHz; 20 dB/862 MHz			22 dB
Gain adjustment		0 +- 16 dB			VHF 0 +- 15 dB; UHF 0 +- 12 dB
Maximal output level IMD3 = 60 dB (DIN45004B)		106 dBµV			105 dBµV*
Maximal output level IMD2 = 60 dB (EN50083-3)		95 dBµV			
Input and output return loss		> 10 dB			
Noise figure		< 7 dB			
Power consumption		230 V/50 Hz/3 VA			
Operating temperature range		-20° + + 50° C			
Dimensions/Weight (packed)		78x118x47 mm/0.36 kg			

* 1 output loaded

Medium power amplifiers

- suitable for small and medium size in-house distribution networks
- push-pull technology
- built-in power supply
- metal-plastic housing

HA013

fixed 5 dB slope pre-correction and adjustable gain regulator

HA023

adjustable gain & slope regulators

HA023R30, HA023R65

the same like HA023 just with return path 30 MHz and 65 MHz



Technical specifications

T Y P E		HA013	HA023	HA023R30	HA023R65
Ordering number		10507	10508	10509	10510
Frequency range	forward path	47-862 MHz		87-862 MHz	87-862 MHz
	return path	-	-	5-30 MHz	5-65 MHz
Gain		20 dB/47 MHz; 25 dB/862 MHz		28 dB	
Frequency response		± 0.7 dB	± 0.5 dB	± 0.7 dB	
Gain adjustment		15 dB	20 dB		
Slope adjustment, typical		-	18 dB		
Maximal output level IMD3 = 60 dB (DIN45004B)		114 dBµV		108 dBµV	
Maximal output level IMD3 = 60 dB (EN50083-3)		108 dBµV		108 dBµV	
Maximal output level IMD2 = 60 dB (EN50083-3)		108 dBµV		108 dBµV	
Input and output return loss		> 10 dB	> 14 dB*		
Noise figure		< 7 dB			
Power consumption		230 V/50 Hz/3 VA			
Operating temperature range		-20° + + 50° C			
Dimensions/Weight (packed)		96x129x50 mm/0.45 kg	88x128x50 mm/0.5 kg		

* when f ≥ 40 MHz, return loss ≥ 14 dB (40 MHz) - 1.5 dB/octave