



House amplifiers

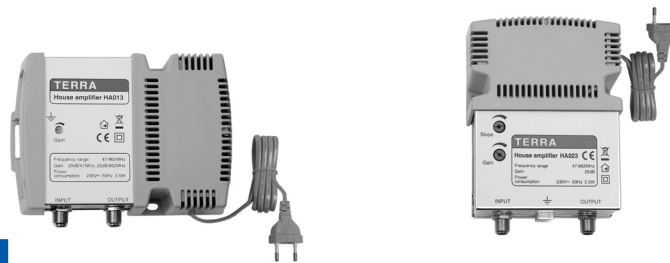
Medium power amplifiers

- 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
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
	return path	-	-	5-30 MHz	5-65 MHz
Gain		20 dB/47 MHz; 25 dB/862 MHz		28 dB	
Flatness		± 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 dB μ V		
Maximal output level IMD2=60 dB(EN50083-3)			108 dB μ V		
Input and output return loss		> 10 dB		> 14 dB*	
Noise figure			< 7 dB		
Power consumption			230 V~ 50 Hz 3.5 W		
Operating temperature range			-20° ÷ +50° C		
Dimensions/Weight (packed)		96x129x50 mm/0.45 kg	88x128x50 mm/0.5 kg		

* when f \geq 40 MHz, return loss \geq 14 dB (40 MHz) - 1.5 dB/octave, but not less 10 dB