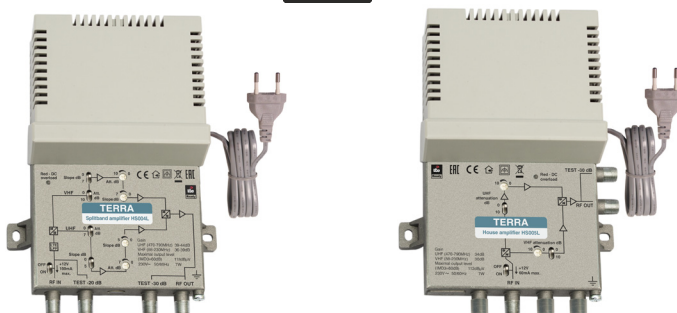




House amplifiers

Medium power splitband amplifiers

- splitband amplifier with separate gain & slope adjustment in VHF & UHF ranges
- integrated LTE signal suppression filter 
- switchable DC feeding for preamplifier through RF input connector
- protection and indication of DC feeding overload
- input and output test points
- built-in power supply
- die-cast housing



Technical specifications

T Y P E	HS004	HS004L	HS004T	HS005L	HS005T
Ordering number	02570	02570L	02570T	02571L	02571T
Frequency range	VHF 47-414 MHz UHF 470-862 MHz	VHF 88-230 MHz UHF 470-790 MHz 	UHF 470-694 MHz 	VHF 88-230 MHz UHF 470-790 MHz 	UHF 470-694 MHz 
Gain	VHF 34-39 dB UHF 39-44 dB	VHF 36-39 dB, UHF 39-44 dB		VHF 30 dB, UHF 34 dB	
Flatness		± 1 dB		VHF ± 1 dB, UHF ± 0.5 dB	
Gain adjustment	VHF 20 dB, UHF 14 dB	VHF 20 dB, UHF 14 dB		20 dB	
Slope adjustment	VHF 20 dB, UHF 10 dB	VHF 14 dB, UHF 10 dB		-	
Maximal output level IMD3=60 dB (DIN45004B) IMD3=60 dB	121 dBμV -	121 dBμV 118 dBμV		115 dBμV 112 dBμV	
Input and output return loss		> 10 dB			
Noise figure	VHF , UHF < 6 dB	VHF < 6 dB UHF < 6 dB (700 MHz)	VHF < 6 dB UHF < 6 dB (600 MHz)	VHF < 5 dB UHF < 4 dB (700 MHz)	VHF < 5 dB UHF < 4 dB (600 MHz)
Test points		input -20 dB, output -30 dB			output -30 dB
DC feeding for external		12 V 100 mA max.			12 V 60 mA max.
Power consumption*		230 V ~ 50/60 Hz 5 W			
Operating temperature range		-20° ÷ +50° C			
Dimensions/Weight (packed)		135x180x52 mm/0.7 kg			

* without external DC load; with maximal external DC load 7 W

