House amplifiers

Apartment splitband amplifier



- double band amplifier (2 inputs, 2 outputs) with switchable remote DC feeding through UHF input
- separate gain adjustments in VHF and UHF bands
- protection and indication of DC feeding overload

Technical specifications

T Y P E	HS013
Ordering number	01588
Frequency range	47-400/470-862 MHz
Gain	22 dB*
Gain adjustment	VHF 0 ÷ -15 dB, UHF 0 ÷ -12 dB
Maximal output level IMD3=60 dB (DIN45004B)	105 dBμV*
Maximal output level IMD2=60 dB (EN50083-3)	95 dBμV
Noise figure	VHF < 4.5 dB, UHF < 3 dB
DC feeding for external	12 V 0.1 A max.
Power consumption**	230 V~ 50/60 Hz 4 W
Dimensions/Weight (packed)	78x118x47 mm/0.36 kg

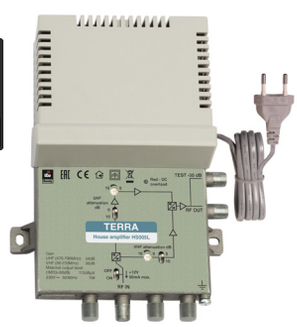
* 1 output loaded; when 2 outputs loaded: gain - 20 dB, output level - 103 dBμV

** without external DC loading

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	**VHF** 88-230 MHz		**VHF** 88-230 MHz	
	UHF 470-862 MHz	**UHF** 470-790 MHz	**UHF** 470-694 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)	121 dBμV	121 dBμV		115 dBμV	
IMD3=60 dB	-	118 dBμV		112 dBμV	
Input and output return loss	>10 dB				
Noise figure	**VHF, UHF** < 6 dB	**VHF** < 6 dB	**VHF** < 6 dB	**VHF** < 5 dB	**VHF** < 5 dB
		UHF < 6 dB (700 MHz)	**UHF** < 6 dB (600 MHz)	**UHF** < 4 dB (700 MHz)	**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