
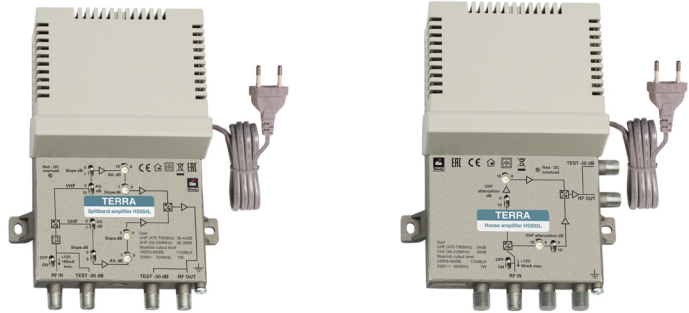








# House amplifiers

## 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	<b>VHF</b> 47-414 MHz	<b>VHF</b> 88-230 MHz	<b>VHF</b> 88-230 MHz	<b>VHF</b> 88-230 MHz	<b>VHF</b> 88-230 MHz
	<b>UHF</b> 470-862 MHz	<b>UHF</b> 470-790 MHz 	<b>UHF</b> 470-694 MHz 	<b>UHF</b> 470-790 MHz 	<b>UHF</b> 470-694 MHz 
Gain	<b>VHF</b> 34-39 dB <b>UHF</b> 39-44 dB	<b>VHF</b> 36-39 dB, <b>UHF</b> 39-44 dB	<b>VHF</b> 36-39 dB, <b>UHF</b> 39-44 dB	<b>VHF</b> 30 dB, <b>UHF</b> 34 dB	<b>VHF</b> 30 dB, <b>UHF</b> 34 dB
Flatness		± 1 dB		<b>VHF</b> ± 1 dB, <b>UHF</b> ± 0.5 dB	
Gain adjustment	<b>VHF</b> 20 dB, <b>UHF</b> 14 dB	<b>VHF</b> 20 dB, <b>UHF</b> 14 dB	<b>VHF</b> 20 dB, <b>UHF</b> 14 dB	20 dB	
Slope adjustment	<b>VHF</b> 20 dB, <b>UHF</b> 10 dB	<b>VHF</b> 14 dB, <b>UHF</b> 10 dB	<b>VHF</b> 14 dB, <b>UHF</b> 10 dB	-	
Maximal output level IMD3=60 dB (DIN45004B) IMD3=60 dB	121 dB $\mu$ V	121 dB $\mu$ V	121 dB $\mu$ V	115 dB $\mu$ V	112 dB $\mu$ V
Input and output return loss					
Noise figure	<b>VHF, UHF</b> < 6 dB	<b>VHF</b> < 6 dB <b>UHF</b> < 6 dB (700 MHz)	<b>VHF</b> < 6 dB <b>UHF</b> < 6 dB (600 MHz)	<b>VHF</b> < 5 dB <b>UHF</b> < 4 dB (700 MHz)	<b>VHF</b> < 5 dB <b>UHF</b> < 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

