
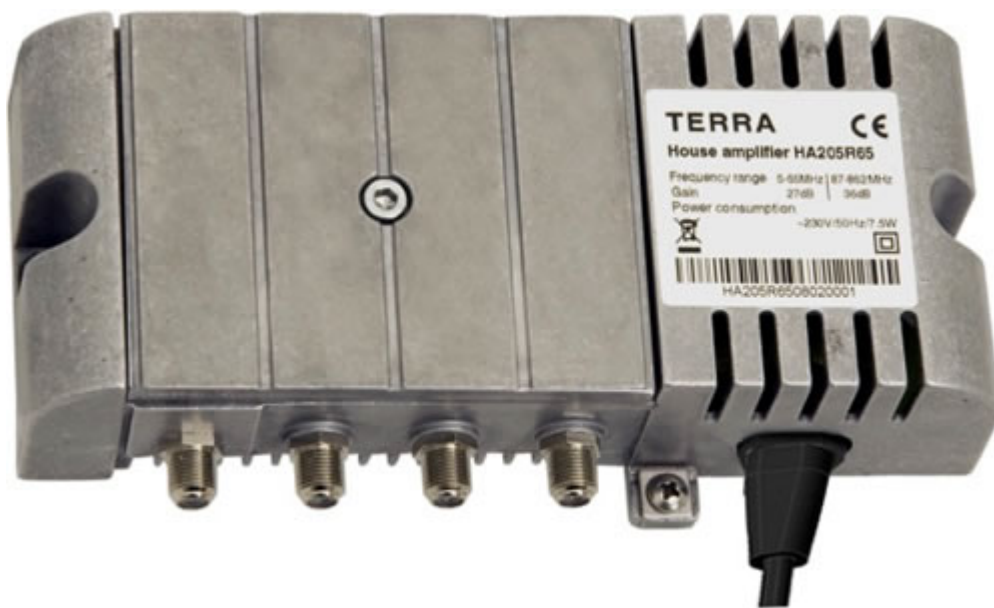


House high-power TERRA amplifiers, series HA205, HA205R30, HA205R65, HD205, HD205R30, HD205R65

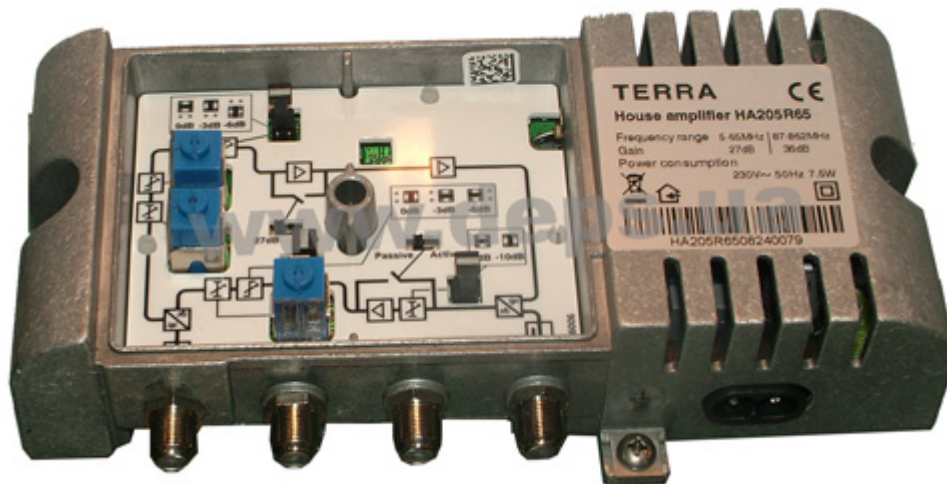


Manufacturer: TERRA 

Type of amplifier: house



General layout



A view with cover removed

Benefits:

- Built-in smooth controls over gain and gain slope (models HA205R30, HA205R65, HD205R30, HD205R65) or discrete built-in units (HA205R3J, HA205R6J, HD205R3J, HD205R6J);
- A moulded case;
- Switchable gain of the forward channel,;
- An active or passive feedback channel;
- A switchable input attenuator for the feedback channel;
- Test points:

- at the input- bi-directional
- at the output- directional

HA205

Mains-operated; without a feedback channel

HA205R30, HA205R65, HA205R3J, HA205R6J

Mains-operated; with a feedback channel at 30 MHz and 65 MHz

HD205R30, HD205R65, HD205R3J, HD205R6J

remote power supply; with a feedback channel at 30 MHz and 65 MHz

Technical features:

Name	HA205	HA205R30	HA205R65	HD205R30	HD205R65	HA205R3J	HA205R6J	HD205R3J	HD205R6J
Forward channel									
Frequency range	47-862 MHz		87-862 MHz	47-862 MHz	87-862 MHz	47-862 MHz	87-862 MHz	47-862 MHz	87-862 MHz
Gain (switchable)*	27/36 dB								
Gain control range	18 dB				20 dB				
Gain slope control range	18 dB								
Interstage corrector	-6/-3/0 dB								
Non-uniformity of amplitude-frequency response	±0.5 dB	±0.75 dB							
Input and output reflection factor	>14 dB at 40MHz ; -1.5 dB /octave, but no less than 10 dB								
Output level of Closed Circuit TV, CSO (EN0083-3)**	109 dB μV								
Noise ratio	8 dB								
Attenuation of test points	-20 dB								

Feedback channel									
Frequency range	-	5-30 MHz	5-65 MHz	5-30 MHz	5-65 MHz	5-30 MHz	5-65 MHz	5-30 MHz	5-65 MHz
Gain (switchable)	-	27/-4 dB							
Gain control range	-	18 dB			20 dB with 1dB interval				
Input attenuator	-	-10/0 dB							
Input corrector	-	-6/-3/0 dB							
Non-uniformity of amplitude-frequency response	-	±0.75 dB							
Reflection factor	-	> 14 dB							
Noise ratio	-	7 dB (active, input attenuator 0 dB)							
Max. output level IMD3=60 (DIN45004B)	-	115 dB μ V							
Common									
Power demand		230 V/50 Hz/7.5 W		24-65 V/50Hz/6.5 W		230 V/50Hz/7.5 W		24-65 V/50 Hz/6.5 W Bт	
Range of operating temperatures		-20.. +50°C							
Overall dimensions /Weight (in pack)		185×91×47 mm/0.7 kg							

* for amplifiers with a feedback channel, it is measured at a frequency that is 10 MHz higher than the initial frequency of forward channel;

** with an interstage corrector, 6 dB

Schematic diagram:

