



House amplifiers

High power amplifiers

- built-in adjustable gain & slope regulators
- die-cast housing
- switchable forward path gain
- switchable passive or active return path
- input attenuator for active return path
- test points: input - bi-directional, output - directional

HA205

local powered; without return path

HA205R30, HA205R65

local powered; with return path 30 MHz and 65 MHz

HD205R30, HD205R65

remote powered; with return path 30 MHz and 65 MHz



Technical specifications

T Y P E	HA205	HA205R30	HA205R65	HD205R30	HD205R65
Ordering number	10529	10530	10531	10532	10533
Forward path					
Frequency range	47- 862 MHz		87- 862 MHz	47- 862 MHz	87- 862 MHz
Gain, switchable *	27/36 dB				
Gain adjustment	18 dB				
Slope adjustment	18 dB				
Interstage equalizer	-6/-3/0 dB				
Flatness*	±0.5 dB				±0.75 dB
Input and output return loss	> 14 dB at 40 MHz; -1.5 dB/oct., but not less 10 dB				
Output level CTB,CSD (EN50083-3)**	109 dBμV				
Noise figure	8 dB				
Test points attenuation	-20 dB				
Return path					
Frequency range	-	5 - 30 MHz	5-65 MHz	5 - 30 MHz	5-65 MHz
Gain, switchable	-	27/-4 dB			
Gain adjustment	-	18 dB			
Input attenuator	-	-10/0 dB			
Output equalizer	-	-6/-3/0 dB			
Flatness	-	±0.75 dB			
Return loss	-	> 14 dB			
Noise figure	-	7 dB (active, 0 dB input attenuator)			
Maximal output level IMD3=60 dB (DIN45004B)	-	115 dBμV (active)			
General					
Power consumption	230 V~ 50 Hz 7.5 W			24-65 V~ 50 Hz 6.5 W	
Operating temperature range	-20° ÷ +50° C				
Dimensions/Weight (packed)	185x91x47 mm/ 0.7 kg				

* for amplifiers with return path measured 10 MHz after the starting frequency of forward path

** with 6 dB interstage equalizer

