## **Broadband equipment**



## House amplifiers **High power amplifiers**

- built-in adjustable gain & slope regulators (rotary switch control)
- interstage discrete attenuator and equalizer
- switchable passive or active return path
- input attenuator for active return path
- test points: input bi-directional, output directional
- die-cast housing

## HA234R65, HA235R65, HA236R65, HA236R85 local powered, with return path 65 MHz and 85 MHz

HD234R65, HD235R65, HD236R65, HD236R85

remote powered, with return path 65 MHz and 85 MHz



Technical specifications				
ТҮРЕ	HA234R65	HA235R65	HA236R65	HA236R85
Ordering number	11503	11504	11501	11502
Forward path				
Frequency range	87-862 MHz	87-1006 MHz	87-1218 MHz	108-1218 MHz
Gain	38 dB			
Gain adjustment, rotary switch	015 dB by 1 dB step			
Slope adjustment, rotary switch	015 dB by 1 dB step			
nterstage attenuator	-10/-5/0 dB			
Interstage equalizer	-10/-5/0 dB			
Flatness*	±1 dB			
input and output return loss	$\geq$ 14 dB at 40 MHz; -1.5 dB/oct., but not less 10 dB			
Dutput level CTB, CSO (EN60728-3)**	105/107 dBµV 105		06 dBµV	
Noise figure, typical	7 dB			
Fest points***	-20 dB			
Return path				
Frequency range	5-65 MHz		5-85 MHz	
Gain, switchable	26/-7 dB			
Gain adjustment, rotary switch	015 dB by 1 dB step			
nput attenuator	-10/0 dB			
Dutput equalizer	-6/-3/0 dB			
Flatness	±1 dB		±1.5 dB	
Return loss	> 14 dB			
Noise figure	7 dB			
Output level IMD3=60 dB (EN60728-3)	112 dBµV (active), 119 dBµV (passive)			
General				
Power consumption****	230 V~ 50/60 Hz 7 W			
Dperating temperature range	-20° ÷ +50° ℃			
Dimensions/Weight (packed)	185x91x47 mm/0.7 kg			

\* measured 10 MHz after the starting frequency of forward path

\*\* with 0/5 dB interstage equalizer

\*\*\* input test point is bi-directional and could be used as return path output test point; output test point is directional and could be used for insertion return path signals \*\*\*\* models with remote powering 24-65 V~ 50/60 Hz:

Type Power consumption Ordering number

Type	I ower consumption	ordoring hum
HD234R65	7 W	11505
HD235R65	7 W	11506
HD236R65	7 W	11500
HD236R85	7 W	11507

