



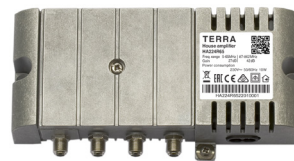
House amplifiers

High power amplifiers

- built-in adjustable gain & slope regulators
- 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

HA224R65, HA225R65, HA226R65
with return path 65 MHz

HA226R85
with return path 85 MHz



Technical specifications

T Y P E	HA224R65	HA225R65	HA226R65	HA226R85
Ordering number	10588	10593	10594	10595
Forward path				
Frequency range	87-862 MHz	87-1006 MHz	87-1218 MHz	108-1218 MHz
Gain	42 dB			
Gain adjustment	0...18 dB			
Slope adjustment	0...18 dB			
Interstage attenuator	-10/-5/0 dB			
Interstage equalizer	-10/-5/0 dB			
Flatness*	±1 dB			
Input and output return loss	≥ 14 dB at 40 MHz; -1.5 dB/oct., but not less 10 dB			
Output level CTB, CSO (EN60728-3)**	111/113 dBμV		111/112 dBμV	
Noise figure	6 dB			
Test points***	-20 dB			
Return path				
Frequency range	5-65 MHz		5-85 MHz	
Gain, switchable	27/-5 dB			
Gain adjustment	0...18 dB			
Input attenuator	-10/0 dB			
Output 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)	114 dBμV (active), 121 dBμV (passive)			
General				
Power consumption	230 V~ 50/60 Hz 10 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 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

