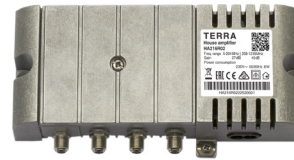




House amplifiers

High power amplifier

- 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



Technical specifications	
T Y P E	HA216R02
Ordering number	10582
Forward path	
Frequency range	258-1218 MHz
Gain	40 dB
Gain adjustment	0...18 dB
Slope adjustment	0...15 dB
Interstage attenuator	-10/-5/0 dB
Interstage equalizer	-10/-5/0 dB
Flatness*	±1 dB
Output level CTB, CSO (EN60728-3)**	107/108 dBμV (34 channels)
Output level U _{max.} , typical**	104 dBμV (120 QAM channels)
Noise figure	6 dB
Return path	
Frequency range	5-204 MHz
Gain, switchable	27/-5 dB
Gain adjustment	0...18 dB
Input attenuator	-10/0 dB
Output equalizer	-10/-5/0 dB
Flatness	±1.5 dB
Noise figure	7 dB
Output level IMD3=60 dB (EN60728-3)***	115 dBμV (active), 121 dBμV (passive)
General	
Input and output return loss	≥ 14 dB at 40 MHz; -1.5 dB/oct., but not less 10 dB
Test points****	-20 dB
Power consumption	230 V~ 50/60 Hz 8 W
Operating temperature range	-20° C ÷ +50° C
Dimensions/Weight (packed)	185x91x47 mm/0.7 kg

* measured 10 MHz after the starting frequency of forward path
 ** with 0/5 dB interstage equalizer
 *** 130 & 132 MHz carriers
 **** 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

