

TERRA Amplifier 40dB Forward Gain 87-862MHz with 65MHz Return Path 14MM-HA214R65



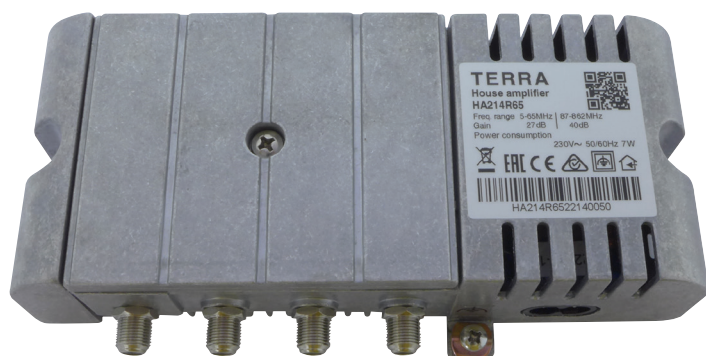
For the Best

The HA214R65 is a 40dB forward gain locally powered distribution amplifier with a built-in 65MHz return path amplifier that can be set to either 27dB or -5dB gain with up to 18dB of adjustment. In addition, the HA214R65 features an interstage discrete attenuator and equaliser for optimum signal control.

Features and Benefits

- » Downstream frequency range 87 to 862MHz with 40dB gain
- » Switchable passive or active return path with input attenuator
- » Interstage attenuator, slope pre-correction and adjustable gain and slope regulators
- » Output level CTB, CSO (EN60728-3)* 109 dBμV (42 Ch.)
- » 18dB adjustment for both gain and slope
- » Operating temperature range 20 ÷ +50°C

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Specifications

Forward path	
Frequency range	87-862 MHz
Gain	40 dB
Gain adjustment	18 dB
Slope adjustment	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)**	109 dBμV
Noise figure	6 dB
Test points***	-20 dB
Return Path	
Frequency range	5-65 MHz
Gain, switchable	27/-5 dB
Gain adjustment	18 dB
Input attenuator	-10/0 dB
Output equalizer	-6/-3/0 dB
Flatness	±1 dB
Return loss	> 14 dB
Noise figure	7 dB (active, 0 dB input atten.)
Output level IMD3=60 dB (EN60728-3)	114 dBμV (active) 121 dBμV (passive)
General	
Power consumption	230 V~ 50/60 Hz 7 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 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