

TERRA Amplifier with 30MHz Return Path

14MM-HA205R30



The HA205R30 is a 27/36dB forward gain locally powered distribution amplifier with a built-in 30MHz return path amplifier that can be set to either 27dB or -4dB gain with up to 18dB of adjustment. In addition, the HA205R30 features an interstage discrete attenuator and equaliser for optimum signal control.

Features and Benefits

- » Foxtel (F30924) approved
- » High power floor distribution amplifier with 47-862MHz output 109dBuV
- » Slope adjustment for cable compensation
- » Switchable gain 27dB or 36dB to set output of the amplifier to your design requirements
- » Weatherproof and RF screen die cast housing
- » Ga-As push pull amplification for low distortion



Specifications

Forward Path	
Frequency Range	47-862MHz
Gain Switchable*	27/36dB
Gain Adjustment	18dB
Slope Adjustment	18dB
Interstage Equaliser	-6/-3/0dB
Flatness*	±0.75dB
Input & Output Return Loss	>14dB at 40MHz; -1.5dB/oct, but Not Less 10dB
Output Level CTB, CSO (EN50083-3)**	109dBμV
Noise Figure	8dB
Test Points Attenuation	-20dB
Return Path	
Frequency Range	5-30MHz
Gain Switchable	27/-4dB
Gain Adjustment	18dB
Input Attenuator	-10/0dB
Output Equaliser	-6/-3/0dB
Flatness	±0.75dB
Return Loss	>14dB
Noise Figure	7dB (Active, 0dB Input Attenuator)
Maximum Output Level IMD3=60dB (DIN45004B)	115dBμV
General	
Power Supply	230V 50Hz 7.5W
Operating Temperature	-20°C - +50°C
Dimensions/Weight (Packed)	185x91x47mm/0.7kg

* For amplifier with return path measured 10MHz after the starting frequency of forward path
** With 6dB interstage equaliser

