

Amplifier With 30MHz Return Path 14MM-HA205R30

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

TERRA



Amplifiers and Modulators

Premium range of VHF/UHF and combination mast head and house distribution amplifiers and modulators to suit all needs. Matchmaster's range of mast head amplifiers have either 694MHz or 652MHz built in low pass LTE/4G filters to reduce interference from 4G mobile transmissions.



14MM-HA205R30 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

* For amplifier with return path measured 10MHz after the starting frequency of forward path

** With 6dB interstage equaliser

