

Masthead Amplifier VHF/UHF 30dB with 4G/5G Filter and Power Supply - 174-694MHz 10MM-MA30PDF

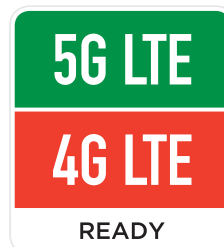


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The MA30PDF is a 4G/5G filtered wideband VHF/UHF amplifier suitable for use in all capital cities and regions of Australia by covering VHF 174-230MHz and UHF 526-694MHz. The MA30PDF can be used with combination antennas or independently or with separate UHF and VHF antennas. MA30PDF can also combine local broadcasts to maximise the channels you can receive. The MA30PDF features built-in capacitors, voltage regulators and rectifiers to allow use with a wide range of DC and AC voltage power supplies and to help protect the electrical circuit from voltage spikes.

Features and Benefits

- » 4G/5G LTE filter built-in from 694MHz providing >40dB filtering @ 750MHz with maximum gain of 25dB for VHF and 30dB for UHF with 20dB of independent adjustment
- » Wide range powering ability with built-in voltage rectifier and regulator to allow 5-24V DC and 5-22V AC powering
- » New and improved water-resistant and UV-stable heavy-duty housing
- » Compatible with a combination antenna or separate VHF and UHF antennas by setting the in-built switch.
- » Includes 14V DC power supply and UV stable heavy-duty cable ties for mounting
- » VHF and UHF input return loss: >14dB



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Technical Data 10MM-MA30PDF

| Amplifier | | | |
|----------------------------------|----------------------------------|-----------|--------|
| Input 1 | 'F' Female (VHF) | | |
| Input 2 | 'F' Female (UHF or VHF+UHF) | | |
| VHF frequency range | 174-230MHz | | |
| VHF gain | 5-25dB | | |
| UHF frequency range | 470-694MHZ | | |
| UHF gain | 10-30dB | | |
| Input mode switchable | | Mode 1 | Mode 2 |
| | VHF In | No signal | VHF |
| | UHF/V+U In | VHF+UHF | UHF |
| Output 1 | "F" Female (DC 5-24V) (AC 5-22V) | | |
| Return loss | >12dB typical | | |
| Output | >105dBuV | | |
| Noise figure | <=5dB | | |
| Impedance | 75ohm | | |
| Alloy diecast housing dimension | 98x50x18mm | | |
| Power Supply | | | |
| Power adaptor | 190-240V AC/50-60HzA | | |
| Output | DC 14V/300mA | | |
| Antenna Port | 'F' Male | | |
| TV Port | 'F' Female | | |
| Alloy housing with nickel plated | | | |
| DC cable length | 1.8m | | |