

903 MAST AMPLIFIERS

AMP UHF-BIII/DAB 34 DB LTE MAST 12 VDC



Code : **9030176**

Model : **AM-274**

Description

Broadband amplifiers for masts, compatible with LTE mobile telephone signals with amplification band in UHF 470-790 MHz. Includes a rejection filter to suppress LTE signals. They have two or three inputs to amplify and combine the signals from the antennas. They are fed through the coaxial cable from a power supply unit installed inside the building. They incorporate a switchable DC path, allowing power to be supplied to a preamplifier.

Applications

Individual digital and analogue terrestrial TV installations which are affected by the transmission of LTE mobile phone signals and which require high gain. They amplify and mix the signals from several antennas. The signal obtained can be distributed to a large number of TV outlets by means of a single coaxial cable

Characteristics

Shielded zamak chassis, covered by a weather-resistant plastic casing. Easy to open and close, the chassis can be tilted to facilitate manipulation. It can be installed either on a mast, by means of a polyamide clamp, or on a wall. Resistant to sun and water (IP53). Greater insulation between inputs and outputs. F-type connectors for screwing or crimping.

Accessories

9030087 AL-105 +12 power supply unit. 9120011 RS-275 Type F load of 75Ω
 9120039 CM-004 Male F connector for Ø6.6 mm coaxial.
 9080023 MC-302 Male F connector for RG-6 coaxial, Ø7.0 mm. 9080030 MC-304 Male compression F connector for RG-6 coaxial Ø7.0 mm.

| CODE | | 9030176 | | 9030177 | | |
|--------------------------|--------------|---|-------------|-----------------|-----------|---------|
| MODEL | | AM-274 | | AM-374 | | |
| Connection | | F female | | | | |
| Inputs | | 2 | | 3 | | |
| Frequency range | Band | BIII/DAB | UHF | BIII/DAB | UHF1 | UHF2 |
| | MHz | 160-260 | 470-790 | 160-260 | 470-790 | 470-790 |
| Gain | dB | 20 | 34 | 20 | 34 | |
| Flatness response | dB | ±1 | ±2 | ±1 | ±2 | |
| Adjustable gain range | dB | 20 | 16 | 20 | 16 | |
| Output level | dB μ V | 108 DIN 45004B 105 (IMD3 - 66 dB) 93 (IMD2 - 60 dB) | | | | |
| Return loss | dB | ≥10 | | | | |
| Noise figure | dB | 5 \pm 1 | 3,5 \pm 1 | 5 \pm 1 | 6 \pm 1 | |
| Rejection between inputs | dB | ≥30 | | | | |
| Power supply | V $\ddot{=}$ | 12 | | | | |
| | mA | 30 | | | | |
| Switchable DC path | V $\ddot{=}$ | - | 12 | - | 12 | |
| | mA | - | 50 | - | 50 | |
| Operating temperature | °C | -20...+65 | | | | |
| Protection index | | IP 53 | | | | |
| Units per packaging | | 1 | | 24 | | |
| Packing weight | Kg | 0.25 | | 5.78 | | |
| Packing dimensions | mm | 110 x 125 x 45 | | 345 x 200 x 280 | | |