

# 903 MAST AMPLIFIERS

## AMP UHF-DAB/FM 32 DB MAST 24 VDC



Code : **9030142**

Model : **AM-246**

### Description

Broadband amplifiers for masts. They have one, 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 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

9030086 AL-100 +24 power supply unit. 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                     |                 | 9030141   | 9030142 |         |         | 9030153 |         |         |         |
|--------------------------|-----------------|---|---------|---------|---------|---------|---------|---------|---------|
| MODEL                    |                 | AM-145  | AM-246  |         |         | AM-346  |         |         |         |
| Connection               |                 | F female  |         |         |         |         |         |         |         |
| Inputs                   |                 | 1   | 2       |         |         | 3       |         |         |         |
| Frequency range          | Band            | UHF   | FM      | DAB     | UHF     | FM      | DAB     | UHF1    | UHF2    |
|                          | MHz             | 470-862   | 88-108  | 160-260 | 470-862 | 88-108  | 160-260 | 470-862 | 470-862 |
| Gain                     | dB              | 32  | 20      |         | 32      | 20      |         | 32      |         |
| Flatness response        | dB              | ±2  | ±1      |         | ±2      | ±1      |         | ±2      |         |
| Adjustable gain range    | dB              | 16  | 20      |         | 16      | 20      |         | 16      |         |
| Output level             | dBμV            | 108 DIN 45004B<br>105 (IMD3 - 66 dB)<br>93 (IMD2 - 60 dB) |         |         |         |         |         |         |         |
| Return loss              | dB              | ≥10   | ≥10     |         |         | ≥10     |         |         |         |
| Noise figure             | dB              | 3±1   | 5±1     |         | 3±1     | 5±1     |         | 5,5±1   |         |
| Rejection between inputs | dB              | ≥30   |         |         |         |         |         |         |         |
| Power supply             | V <sub>DC</sub> | 24  |         |         |         |         |         |         |         |
|                          | mA              | 30  |         |         |         |         |         |         |         |
| Switchable DC path       | V <sub>DC</sub> | 24  | -       |         | 24      | -       |         | 24      |         |
|                          | mA              | 50  | -       |         | 50      | -       |         | 50      |         |
| Operating temperature    | °C              | -20...+65   |         |         |         |         |         |         |         |
| Protection index         |                 | IP 53   |         |         |         |         |         |         |         |
| Units per packaging      |                 |   |         |         |         |         |         |         |         |
| Packing weight           | Kg              |   |         |         |         |         |         |         |         |
| Packing dimensions       | mm              |   |         |         |         |         |         |         |         |