

# Programmable multichannel amplifier

## ONE123

REF. 2846 (AFP-211)



Technical specifications



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- Self-installation function.
- All settings are automatically memorised.
- Reprogrammable as many times as required. Programmed without the need for external control.
- 10 tuneable UHF filters with the variable band width of 1 to 5 channels.
- Terrestrial inputs (BI-FM, BIII-DAB, UHF and EXT).
- Equalisation and automatic gain control.
- Internal configuration cloning with transferral to another equipment.
- Equipment locking by security code.

| Inputs                                       |            | BI-FM<br>1 | BIII-DAB<br>1 | UHF1      | UHF2<br>3               | UHF3 | EXT (VHF/UHF)<br>1 |
|--|------------|------------|---------------|-----------|-------------------------|------|--------------------|
| Band width                                   | MHz        | 47-108     | 174-240       |           | 470-862                 |      | 47-240 / 470-862   |
|  |            | -          | -             | 10        | 0                       | 0    | -                  |
| Input configuration                          |            | -          | -             | 9         | 0                       | 1    | -                  |
| Number of programmable UHF filters per input |            | -          | -             | 7         | 0                       | 3    | -                  |
|  |            | -          | -             | 2         | 5                       | 3    | -                  |
|  |            | -          | -             | 2         | 7                       | 1    | -                  |
| Gain   | dB         | 35         | 40            |           | 40 / 60<br>(switchable) |      | 40                 |
| Gain adjustment                              | dB         | 25         | 20            |           | 30                      |      | 20                 |
| Noise figure                                 | dB         | <6         | <6            |           | <6                      |      | <6                 |
| Optimum input margin                         | dB $\mu$ V | 60-85      | 60-80         |           | 50-80<br>70-100         |      | 60-80              |
| Return losses                                | dB         | >10        | >10           |           | >10                     |      | >10                |
| Selectivity ( $\pm$ 10 MHz of channel ends)  | dB         |            |               |           | >10                     |      | -                  |
| Uncoupling between inputs                    | dB         | -          | -             |           | >20                     |      | -                  |
| AGC tolerance                                | dB         | -          | -             |           | $\pm$ 1                 |      | -                  |
| Switchable preamp voltage                    | V          | -          | -             |           | 0-12-24                 |      | -                  |
| Maximum preamp current                       | mA         | -          | -             |           | 100                     |      | -                  |
| <b>Output</b>                                |            |            |               | <b>TV</b> |                         |      |                    |
| Output level*                                | dB $\mu$ V | 118        | 118           |           | 123                     |      | 118/123            |
| Output level adjustment                      | dB         |            |               | 20        |                         |      |                    |
| Return losses                                | dB         |            |               | >10       |                         |      |                    |
| Test outputs                                 | dB         |            |               | -30       |                         |      |                    |

### Operations

|                       |                   |
|-----------------------|-------------------|
| Mains voltage         | 230 - 240 V~      |
| Consumption           | 0.25 A / 25 W     |
| Operating temperature | -5 to 50 °C       |
| Mains connector       | IEC C8            |
| Dimensions            | 300 x 250 x 40 mm |

\* IMD3-60dB, DIN 45004B  
(See channel reduction table in Technical Appendix)

