

# 913 MULTISWITCHES

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## 13X24 FINAL MULTISWITCH, EU PSU

Code : **9130083**

Model : **MB-306**

### Description

Final multiswitches for 12 polarities and terrestrial TV with 8, 12 and 16 outputs. The outputs are amplified in the satellite IF band. In the terrestrial band they can be configured to function in either active or passive mode. Need to be powered from each individual receiver so that the switching and the amplification of each derived output will function correctly. The external power supply units provide the required voltage to the LNBS for them to function properly.

### Applications

Medium-sized collective satellite and terrestrial TV installations. Installed individually, they can distribute to as many as 16 TV outlets. When combined with cascable multiswitches, with intermediary amplifiers in place, it is possible to distribute to 64 outlets on a single line.

### Characteristics

Shielded metal chassis with plastic supports. F-type connectors. Power supply connector is a 9.5 x 2.1 mm jack to feed the LNBS.

| CODE                                     |                           | 9130082   |   | 9130083         |   | 9130172         |   |
|--|---------------------------|---|---|-----------------|---|-----------------|---|
| MODEL                                    |                           | MB-305  |   | MB-306          |   | MB-308          |   |
| TV system                                |                           | FM-TV / DVB-S / AM-TV / DVB-T   |   |                 |   |                 |   |
| Connection                               |                           | F female  |   |                 |   |                 |   |
| Inputs                                   |                           | 13  |   |                 |   |                 |   |
| Tap outputs                              |                           | 20  |   | 24              |   | 32              |   |
| Frequency range                          | MHz                       | 47-862  | 950-2150  | 47-862          | 950-2150  | 47-862          | 950-2150  |
| <b>PASSIVE MODE</b>                      |                           |   |   |                 |   |                 |   |
| Tap loss                                 | dB±TOL                    | 22 ±2.0   | 2 ±2.0  | 20 ±2.0         | 2 ±2.0  | 24 ±2.0         | 5 ±2.0  |
| Output level                             | dBµV                      | -   | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) | -               | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) | -               | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) |
| <b>ACTIVE MODE</b>                       |                           |   |   |                 |   |                 |   |
| Tap loss                                 | dB±TOL                    | 2 ±2.0  | 2 ±2.0  | 2 ±2.0          | 2 ±2.0  | 4 ±2.0          | 5 ±2.0  |
| Output level                             | dBµV                      | 95 (DIN 45004B)   | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) | 95 (DIN 45004B) | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) | 95 (DIN 45004B) | 100 (IMD <sub>3</sub> -35 dB)<br>90 (IMD <sub>2</sub> -35 dB) |
| <b>ACTIVE / PASSIVE MODE</b>             |                           |   |   |                 |   |                 |   |
| Tap equalization                         | dB                        | 1   | 2   | 1               | 2   | 1               | 2   |
| Rejection between bands                  | dB                        | > 25 TV/SAT<br>> 65 SAT/TV  |   |                 |   |                 |   |
| Isolation between users                  | dB                        | > 25 TV<br>> 30 SAT   |   |                 |   |                 |   |
| Isolation of switching                   | dB                        | > 30 TV/SAT   |   |                 |   |                 |   |
| Switching the outputs                    |                           | DiSEqC 2.0 14V $\overline{\text{---}}$ / 18V $\overline{\text{---}}$ 0/22 kHz |   |                 |   |                 |   |
| Power supply of the LNB                  |                           | 2050 mA / 13 V $\overline{\text{---}}$  |   |                 |   |                 |   |
| Output voltage                           | V $\overline{\text{---}}$ | 13 V $\overline{\text{---}}$  |   |                 |   |                 |   |
| Consumption from the receiver            | mA                        | 42 ±2.0 (14/18V $\overline{\text{---}}$ )                                     |   |                 |   |                 |   |
| Operating temperature close to equipment | °C                        | -10..+65  |   |                 |   |                 |   |
| Room temperature with/without fan        | °C                        | -10..+55/+45  |   |                 |   |                 |   |
| Protection index                         |                           | IP 30   |   |                 |   |                 |   |
| Units per packing                        |                           | 1   | 5   | 1               | 5   | 1               | 10  |
| Packing weight                           | Kg                        | 1.70  | 9.03  | 1.72            | 9.13  | 1.81            | 18.2  |
| Packing dimensions                       | mm                        | 395 x 245 x 55  | 400 x 290 x 270   | 395 x 245 x 55  | 400 x 290 x 270   | 383 x 315 x 44  | 405 x 335 x 460   |