# 913 MULTISWITCHES

## 13X16 CASCADABLE MULTISWITCH




Code : **9130116**

Model : **ML-304**

Description
Cascadable 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 amplification of each derived output will function.

Applications
Medium-sized collective satellite and terrestrial TV installations. It is essential that they be mounted along with end multiswitches, so as to obtain distributions of up to 64 outlets on a single line if they are installed with intermediary amplifiers.

Characteristics
Shielded metal chassis with plastic supports. F-type connectors. Earth.

| CODE | | 9130114 | | 9130115 | | 9130116 | |
|---|---|---|---|---|---|---|---|
| MODEL | | ML-302 | | ML-303 | | ML-304 | |
| TV system | | FM-TV / DVB-S / AM-TV / DVB-T | | | | | |
| Connection | | F female | | | | | |
| Inputs | | 13/13 | | | | | |
| Tap outputs | | 8 | | 12 | | 16 | |
| Frequency range | MHz | 47-862 | 950-2150 | 47-862 | 950-2150 | 47-862 | 950-2150 |
| **PASSIVE MODE** | | | | | | | |
| Tap loss | dB±TOL | 22 ±2.0 | 0 ±2.0 | 24 ±2.0 | 1 ±2.0 | 24 ±2.0 | 1 ±2.0 |
| Output level | dBµV | - | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) | - | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) | - | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) |
| **ACTIVE MODE** | | | | | | | |
| Tap loss | dB±TOL | 2 ±2.0 | 0 ±2.0 | 4 ±2.0 | 1 ±2.0 | 4 ±2.0 | 1 ±2.0 |
| Output level | dBµV | 99 (DIN 45004B) | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) | 96 (DIN 45004B) | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) | 96 (DIN 45004B) | 100 ($IMD_3$ -35 dB)<br>90 ($IMD_2$ -35 dB) |
| **ACTIVE / PASSIVE MODE** | | | | | | | |
| Tap equalization | dB | 3 | 3 | 2 | 3 | 2 | 3 |
| Throughgt loss | dB±TOL | 4.5 ±1.0 | 2.0 ±1.0 | 4.5 ±1.0 | 3.0 ±1.0 | 4.5 ±1.0 | 4.0 ±1.0 |
| 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 SAT/SAT | | | | | |
| Switching the outputs | | DiSEqC 2.0 14V⎓ /18V⎓ 0/22 kHz | | | | | |
| Power supply of the LNB | | 2050 mA /13 V⎓ | | | | | |
| Output voltage | V⎓ | 13 V⎓ | | | | | |
| Consumption from the receiver | mA | 42 ±2.0 (14/18V⎓) | | | | | |
| Operating temperature close to equipement | °C | -10..+65 | | | | | |
| Room temperature with/ without fan | °C | -10..+55/+45 | | | | | |
| Protection index | | IP 30 | | | | | |
| Units per packing | | 1 | 5 | 1 | 5 | 1 | 5 |
| Packing weight | Kg | 0.92 | 5.00 | 1.05 | 5.65 | 1.20 | 6.40 |
| Packing dimensions | mm | 335 x 245 x 55 | 340 x 290 x 260 | 335 x 245 x 55 | 340 x 290 x 260 | 335 x 245 x 55 | 340 x 290 x 260 |