## 913 <br> MULTISWITCHES <br> 5X8 FINAL MULTISWITCH



## Code : 9130014

Model : MU-310
Description
Multiswitches for 4 polarities and terrestrial TV with 4, 8 or 16 outputs, for star-shaped installations. The tap outputs are amplified on the IF satellite band. Must be powered from each individual receiver to feed the switching and amplification of each tap output. To feed the LNBs, the FU-612 power supply unit is used.

## Applications

Individual or SMATV installations, up to 16 TV outlets. Starshaped distribution from the multiswitch, with a single coaxial cable to each TV outlet. The multiswitch distributes a satellite polarity together with the terrestrial TV for each output. The polarity is selected from the individual receiver by means of the LNB control signals.

## Characteristics

Return path included from 5 to 65 MHz . Shielded zamak chassis with plastic supports. F type connectors. Two power supply jacks, $9.5 \mathrm{~mm} \times 2.1 \mathrm{~mm}$. Distances of more than 75 m between multiswitch and outlet.

| CODE |  | 9130013 |  |  | 9130014 |  |  | 9130015 |  |  |
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| MODEL |  | MU-110 |  |  | MU-310 |  |  | MU-610 |  |  |
| TV system |  | FM-TV / DVB-S / AM-TV / DVB-T |  |  |  |  |  |  |  |  |
| Connection |  | F female |  |  |  |  |  |  |  |  |
| Inputs |  | 5 |  |  |  |  |  |  |  |  |
| Tap outputs |  | 4 |  |  | 8 |  |  | 16 |  |  |
| Frequency range | MHz | 5-862 | 950-2.150 | 2.150-2.500 | 5-862 | 950-2.150 | 2.150-2.500 | 5-862 | 950-2.150 | 2.150-2.500 |
| Tap loss | $\mathrm{dB} \pm \mathrm{TOL}$ | $24 \pm 3,0$ | $4 \pm 3,0$ | $4 \pm 3,0$ | $24 \pm 3,0$ | $4 \pm 3,0$ | $4 \pm 3,0$ | $24 \pm 3,0$ | $4 \pm 3,0$ | $4 \pm 3,0$ |
| Tap equalization | dB | 9 | 8 | - | 9 | 8 | - | 9 | 8 | - |
| Flatness response | dB | $\pm 3,0$ |  |  |  |  |  |  |  |  |
| Output level | $\mathrm{dB} \mu \mathrm{V}$ | - | $\begin{aligned} & 100 \text { (IMD3-35dB) } \\ & 90 \text { (IMD2-35dB) } \end{aligned}$ |  | - | $\begin{aligned} & 100(\text { (MD3 }-35 \mathrm{~dB}) \\ & 90(\mathrm{MD2} 25 \mathrm{~dB}) \end{aligned}$ |  | - | $\begin{aligned} & 100 \text { (IMD3 - } 35 \mathrm{~dB}) \\ & 90 \text { (IMD2 }-35 \mathrm{~dB}) \end{aligned}$ |  |
| Rejection between bands | dB | $\begin{aligned} & >25 \mathrm{TV} / \mathrm{SAT} \\ & >65 \mathrm{SAT} / \mathrm{TV} \end{aligned}$ |  |  |  |  |  |  |  |  |
| Isolation between bands | dB | $\begin{aligned} & >40 \mathrm{TV} \\ & >30 \mathrm{SAT} \end{aligned}$ |  |  |  |  |  |  |  |  |


| CODE |  | 913 | 013 | 913 | 014 | 913 | 015 |
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| MODEL |  | MU | 10 | MU | 10 | MU | 10 |
| Isolation of switching | dB |  |  | >30 | T/SAT |  |  |
| Switching the outputs |  |  |  | $\begin{array}{r} \text { DiSE } \\ 13 \mathrm{~V} \\ 0 / 2 \end{array}$ | $\begin{aligned} & \mathrm{C} 2.0 \\ & 17 \mathrm{~V}= \\ & \mathrm{KHz} \end{aligned}$ |  |  |
| Power supply of the LNB |  |  |  | 2000 m | /18 V $=$ |  |  |
| Input return loss | dB |  |  |  |  |  |  |
| Output voltage | $\mathrm{V}=$ |  |  |  |  |  |  |
| Consumption from the receiver | mA |  |  |  | $\begin{aligned} & \pm 2,0 \\ & 0 \\ & 0 \times 1 \end{aligned}$ |  |  |
| Operating temperature close to equipment | ${ }^{\circ} \mathrm{C}$ |  |  |  | +65 |  |  |
| Room temperature with/ without fan | ${ }^{\circ} \mathrm{C}$ |  |  | -10..+ | /+45 |  |  |
| Protection index |  |  |  |  |  |  |  |
| Units per packing |  | 1 | 9 | 1 | 9 | 1 | 9 |
| Packing weight | Kg | 0.5 | 4.7 | 0.5 | 4.7 | 0.7 | 6.5 |
| Packing dimensions | mm | $170 \times 160 \times 35$ | $310 \times 185 \times 250$ | $170 \times 160 \times 35$ | $310 \times 205 \times 250$ | $245 \times 160 \times 35$ | $312 \times 190 \times 255$ |

