

# 913 MULTISWITCHES

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## 5X20 FINAL MULTISWITCH, UK PSU

Code : **9130147**

Model : **MB-105**

### Description

Final multiswitches for 4 polarities and terrestrial TV with 20, 24 and 32 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 32 TV outlets. When combined with cascadable multiswitches, with intermediary amplifiers in place, it is possible to distribute to 128 outlets on a single line.

### Characteristics

Shielded metal chassis with plastic supports. F-type connectors. Power supply connector is a 9.5x2.1 mm jack to feed the LNBs.

CODE	9130147				9130148		9130160	
MODEL		MB-105		MB-106		MB-108		
TV system		FM-TV / DVB-S / AM-TV / DVB-T						
Connection		F female						
Inputs		5						
Tap outputs		20		24		32		
Frequency range	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150	
PASSIVE MODE								
Tap loss	dB±TOL	21 ±3.0	-1 ±4.0	21 ±3.0	-1 ±4.0	21 ±3.0	-1 ±4.0	
Output level	dBµV	-	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	-	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	-	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	
ACTIVE MODE								
Tap loss	dB±TOL	1 ±3.0	-1 ±4.0	1 ±3.0	-1 ±4.0	1 ±2.0	-1 ±2.0	
Output level	dBµV	95 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	95 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	95 (DIN 45004B)	100 (IMD <sub>3</sub> -35 dB) 91 (IMD <sub>2</sub> -35 dB)	
ACTIVE / PASSIVE MODE								
Tap equalization	dB	7	4	7	4	7	2	
Rejection between bands	dB	> 20 TV/SAT > 65 SAT/TV						
Isolation between users	dB	> 20 TV > 20 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		1050 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	5	
Packing weight	Kg	0.65	4.05	0.71	4.05	0.93	5.13	
Packing dimensions	mm	260 x 245 x 55	290 x 270 x 270	260 x 245 x 55	290 x 270 x 270	333 x 245 x 55	345 x 305 x 270	