

# 913 MULTISWITCHES

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## AMPLIFIER MULTISWITCH 8 INPUTS 21 DB

Code : **9130169**

Model : **AU-641**

### Description

SAT amplifier for 4, 8 or 16 polarities, for installations in cascade. For 16 polarities, two stacked amplifiers of 8 polarities are installed. Equipped with gain control and independent equaliser for each polarity. Requires the FU-513 power supply unit, from the NET power supply connector, to feed the amplifier and intermediate active multiswitches. To power the LNB, the FU-612 power supply unit is used.

### Applications

Medium-sized to large MATV and SMATV installations. Enables distribution to up to 128 TV outlets in a single line, with a single amplifier and FU-513 power supply unit. By dividing the installation into lines of 128 outlets and distributing the 4 or 8 polarities and the terrestrial TV to all the lines, it is possible to reach more than 2,000 outlets. Amplifies and equalises all the polarities before the cascade of multiswitches.

### Characteristics

Return path included from 5 to 65MHz. Shielded zamak chassis with plastic supports. F-type connectors. Two power supply jacks, 9.5mm x 2.1mm for the NET cascade and for the LNB.

CODE		9130168		9130169	
MODEL		AU-621		AU-641	
TV System		FM-TV / DVB-S / AM-TV / DVB-T			
Connection		F Female			
Outputs		5		9	
Frequency range	Bande	VR/TV	SAT	VR/TV	SAT
	MHz	5-862	950-2500	5-862	950-2500
Through loss	dB±TOL	1.5 ±0,5	-	1.5 ±0,5	-
Gain	dB±TOL	-	21 ±1,0	-	21 ±1,0
Flatness response	dB	±0,75			
Gain adjustment	dB	-	18 ±2	-	18 ±2
Adjustable equalization range	dB	-	8 (switchable)	-	8 (switchable)
Output level	dBµV	-	120.0 (IMD <sub>3</sub> -35dB) 110.0 (IMD <sub>2</sub> -35dB)	-	120.0 (IMD <sub>3</sub> -35dB) 110.0 (IMD <sub>2</sub> -35dB)
Trunk isolation	dB	>30 SAT/TV > 28 SAT/TV			
Noise figure	dB	-	13 ±3,0	-	13 ±3,0
Return loss I/O	dB	>14			
Power supply of the LNB		-	2000 mA (18V $\overline{\text{---}}$ )	-	2000 mA (18V $\overline{\text{---}}$ )
Output voltage	V $\overline{\text{---}}$	-	6.5	-	6.5
	mA	-	3040	-	2240
Power supply	V $\overline{\text{---}}$	7.5			
	mA	675		1350	
Operating temperature close to equipment	°C	-10..+65			
Room T with/without fan	°C	-10..+55/+45			
Protection index		IP 30			
Units per packaging		1	9	1	5
Packing weight	Kg	0.5	4.7	0.7	6.5
Packing dimensions	mm	170 x 160 x 35	310 x 230 x 185	245 x 160 x 35	312 x 275 x 210