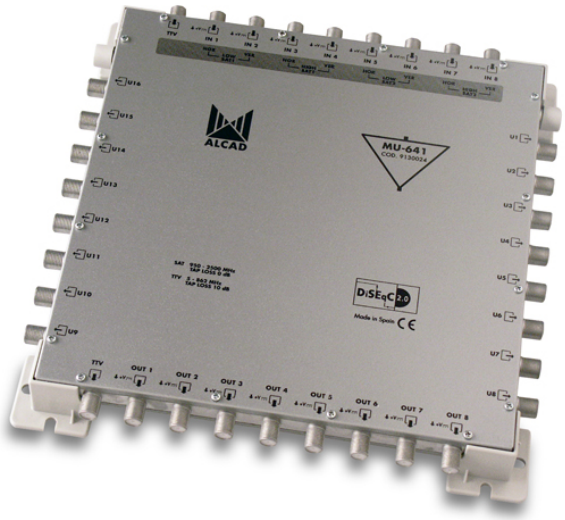
913 MULTISWITCHES

CASCADABLE MULTISWITCH, 9X16 ACTIF



Code : **9130024**

Model : **MU-641**

Description

Multiswitches for 8 and 16 polarities and terrestrial TV with 8 or 16 outputs, for installations in cascade. The inputs of the 8 polarities and the terrestrial TV are amplified. For 16 polarities, 2 stacked multiswitches of 8 polarities are installed and an external DiSEqC switch (CN-611) for each output. The tap outlets are amplified on the IF satellite band. Power must be supplied from the inputs or the through outputs to feed the built-in line amplifiers. Power must be supplied from each individual receiver to feed the switching and amplification of each tap output. To feed the active multiswitches, the FU-513 power unit is used; it is connected to the AU-620 amplifier of the cascade.

Applications

Medium-sized to large MATV and SMATV installations. Enables distribution to up to 128 TV outlets in a single line, with power supplied only at the head-end of the cascade. By dividing the installation into lines of 128 outlets and distributing the 8 polarities and the terrestrial TV to all the lines, it is possible to reach more than 2,000 outlets. Distribution in cascade from the first multiswitch, with 9 coaxial cables between multiswitches and a single coaxial cable to each TV outlet. For each outlet, the multiswitch distributes a satellite polarity as well as the terrestrial TV. For 8 polarities, the polarity is selected from the individual receiver using the LNB control signals and tone burst or using the DiSEqC signals (version 1.0 or higher); for 16 polarities, polarity is selected using only the DiSEqC signals.

Characteristics

Return path included from 5 to 65MHz. Shielded zamak chassis with plastic supports. F-type connectors. Distances of more than 75m between multiswitch and outlet. Up to 100 terrestrial TV channels.

CODE		9130023		9130024	
MODEL		MU-341		MU-641	
Rejection between bands	dB	>25 TV/SAT >65 SAT/TV			
Isolation between users	dB	>40 TV >30 SAT			
Isolation of switching	dB	>30 SAT/TV			
Trunk isolation	dB	>30 SAT/TV >30 SAT/SAT			
Noise figure		6.2 ±2,5	10 ±5,0	6.2 ±2,5	10 ±5,0
Switching the outputs		DiSEqC 2.0 13 V⎓ /17 V⎓ 0/22 KHz			
Input return loss	dB	>20			
Output return loss	dB	>15			
Power supply	V⎓	7 ±0,5			
	mA	590			
Comsuption from the receiver	mA	50 ±2,0 (12.. 20 V⎓)			
Operating temperature close to equipment	ºC	-10..+65			
Room temperature with/ without fan	ºC	-10..+55/+45			
Protection index		IP 30			
Units per packing		1	9	1	5
Packing weight	Kg	0.7	6.3	1	5
Packing dimensions	mm	245 x 160 x 35	312 x 190 x 225	245 x 240 x 35	312 x 190 x 255

CODE		9130023				9130024			
MODEL		MU-341				MU-641			
TV system		FM-TV / DVB-S / AM-TV / DVB-T							
Connection		F female							
Inputs		9							
Outputs		9							
Tap outputs		8				16			
Frequency range	MHz	5-65	86-862	950-2150	2150-2500	5-65	86-862	950-2150	2150-2500
Tap loss	dB±TOL	18 ±1,0	11 ±2,0	-	-	19 ±1,0	11 ±2,0	-	-
Tap gain		-	-	3 ±2,0	3 ±2,0	-	-	2 ±3,0	2 ±3,0
Tap equalization	dB	-	14	11	-	-	14	13	-
Tap flatness response	dB	±3							
Output level	dBµV	-		100 (IMD3 - 35 dB) 90 (IMD2 - 35 dB)		-		100 (IMD3 - 35 dB) 90 (IMD2 - 35 dB)	
Through gain	dB	9 ±1,0	8.5 ±0,5	7.5 ±0,5		8 ±1,0	6 ±0,5	6.5 ±0,5	
Through equalization	dB	1	3	4.5	-	1	3	4	-
Through flatness response	dB	±0.25							
Through output level	dBµV	119 DIN45004B 116 (IMD3 - 60 dB) 109 (IMD2 - 60 dB) 106 (CTB - 60 dB) 110 (CSO - 60 dB) 106 (XMOD - 60 dB)		114 (IMD3 - 35 dB) 110 (IMD2 - 35 dB)		116 DIN45004B 113 (IMD3 - 60 dB) 106 (IMD2 - 60 dB) 106 (CTB - 60 dB) 110 (CSO - 60 dB) 106 (XMOD - 60 dB)		111 (IMD3 - 35 dB) 107 (IMD2 - 35 dB)	