

905 MODULAR AMPLIFICATION EQUIPMENT

SINGLE CHANNEL ADJACENT AMP. UHF, G=39DB

Code : **9050092**

Model : **ZP-431**

Description

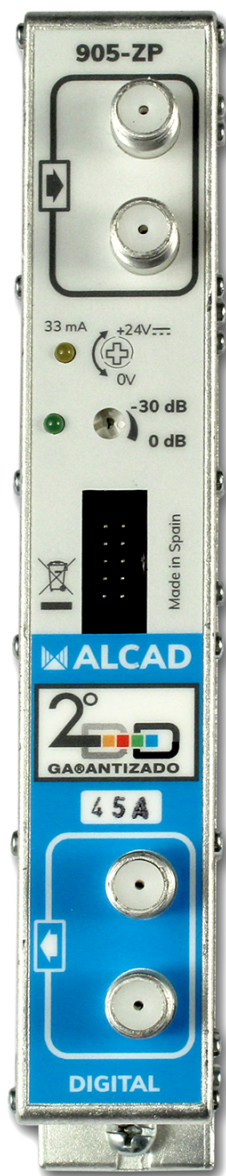
Monochannel amplifier for the UHF band designed to work with adjacent channels. It has a high selectivity which permits equalize each channel independently. The channel should be specified in the order.

Applications

Medium to large digital and analogue terrestrial MATV installations where adjacent analogue or digital channels exist. The different channels can be treated independently with this module, which results in a perfect equalisation of all the received channels.

Characteristics

Each module consists of a three-stage input filter, an amplifier and an output filter which is three-stage, the filters are cavities. Filters remain highly stable with variations in temperature. Attenuator using an active MOSMIC regulator reduces the noise figure. 30dB multiturn attenuator. Switch to supply power to preamplifiers with protection against short circuits.



CODE		9050092	
MODEL		ZP-431	
TV system		AM-TV / DVB-T	
Connection		F female	
Number of channels		1	
Frequency range	Band	UHF	
	MHz	470-862	
Gain	dB \pm TOL	40 \pm 3.0	
Adjustable gain range	dB	30	
Maximum output level	dB μ V	115 DIN 45004K 115 (IMD ₃ -54 dB) AM-TV 110 (IMD ₃ -35 dB) DVB-T	
Selectivity	dB	① Cn - Cn \pm 1	20
		② Cn - Cn \pm 2	65
		④ fc - fc \pm 4MHz	6
		⑤ fc - fc \pm 12MHz	60
Return loss	dB	\geq 10	
Output voltage	V $\overline{=}$	+24	
	mA	33	
Power supply	V $\overline{=}$	+24	
	mA	45	
Operating temperature close to equipment	$^{\circ}$ C	-10..+65	
Room temperature with/without fan	$^{\circ}$ C	-10..+55/+45	
Protection index		IP 20	
Units per packing		1	40
Packing weight	Kg	0.51	21.0
Packing dimensions	mm	200 x 80 x 40	375 x 375 x 225