



# ALCAD

EQUIPO DE AMPLIFICACIÓN MODULAR  
MODULAR AMPLIFIER SYSTEM  
SYSTÈME D'AMPLIFICATION MODULAIRE



**SERIE 905 SERIES**

# AMPLIFICADOR MONOCANAL - MONOCHANNEL AMPLIFIER - AMPLIFICATEUR MONOCANAL

CÓDIGO-CODE-CODE	9050062		9050042			9050067	9050040
MODELO-MODEL-MODELE	ZP-201		ZP-601			ZP-401	ZP-421
Sistema de TV TV system Système de TV		FM-R		DVB-T AM TV DAB-T		DVB-T AM TV	
Número de canales Number of channels Nombre de canaux		-		1		1	
Rango de frecuencia Frequency range Gamme de fréquences	Band	FM	BI	BIII/DAB	BS	UHF	
	MHz	87,5-108	42-70	174-231	68-175 230-470	470-862	
Ganancia Gain Gain	dB ±TOL	22 ±3,0		40 ±3,0		40 ±3,0	
Regulación de ganancia Gain adjust Réglage de gain	dB			20			
Reducción de ganancia con desmezcla Gain loss with splitting Réduction du gain avec découplage	dB		3,0		3,5		
Nivel máximo de salida Maximum output level Niveau maximal de sortie	dB $\mu$ V	2x100,5 DIN 45004B 2x100,5 (IMD <sub>3</sub> -60 dB)		2x115,0 DIN 45004K 2x115,0 (IMD <sub>3</sub> -54 dB) AM TV 2x110,0 (IMD <sub>3</sub> -35 dB) DVB-T		113,0 DIN 45004K 113,0 (IMD <sub>3</sub> -54 dB) AM TV 108,0 (IMD <sub>3</sub> -35 dB) DVB-T	
Selectividad Selectivity Sélectivité	C <sub>n</sub> -C <sub>n±1</sub> C <sub>n</sub> -C <sub>n±2</sub> C <sub>n</sub> -C <sub>n±3</sub>	- - -	- 34 50	- 30 45	- 28 42	- 37 60	14,5 53,5 -
	f <sub>c</sub> -f <sub>c</sub> ±4 MHz	-	-	-	-	-	7,5
	f <sub>c</sub> -f <sub>c</sub> ±12 MHz	-	30	27	25	36	50,5
Alimentación Power supply Alimentation	V $\overline{---}$	24		24			24
	mA	35		45			35

AM TV C<sub>n</sub>-C<sub>n±1</sub>: C<sub>Vn</sub>-C<sub>An-1</sub> / C<sub>An</sub>-C<sub>Vn+1</sub> (C<sub>v</sub> video carrier, C<sub>a</sub> audio carrier)

C<sub>n</sub>-C<sub>n±2</sub>: C<sub>Vn</sub>-C<sub>An-2</sub> / C<sub>An</sub>-C<sub>Vn+2</sub> (C<sub>v</sub> video carrier, C<sub>a</sub> audio carrier)

C<sub>n</sub>-C<sub>n±3</sub>: C<sub>Vn</sub>-C<sub>An-3</sub> / C<sub>An</sub>-C<sub>Vn+3</sub> (C<sub>v</sub> video carrier, C<sub>a</sub> audio carrier)

DVB-T f<sub>c</sub>-f<sub>c</sub>±4MHz: (f<sub>c</sub> center frequency)

f<sub>c</sub>-f<sub>c</sub>±12MHz: (f<sub>c</sub> center frequency)

DIN 45004K: 3 unequal carriers, IMD<sub>3</sub> at 54 dB

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB

IMD<sub>3</sub>-54 dB: 3 unequal carriers, EN 50083-5

IMD<sub>3</sub>-60 dB: 3 unequal carriers, EN 50083-5

IMD<sub>3</sub>-35 dB: 2 equal carriers

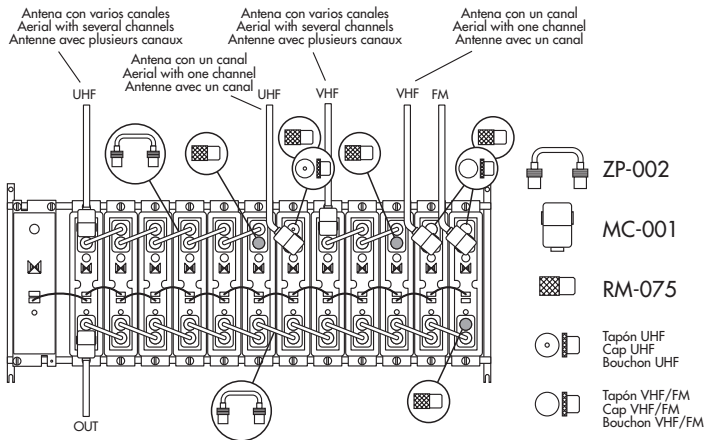
# ALIMENTADOR - POWER SUPPLY - ALIMENTATION

CÓDIGO-CODE-CODE	9050000		9050083
MODELO-MODEL-MODELE	AS-102		AS-125
Tensión de salida Output voltage Tension de sortie	V $\dots$	+24	
	mA	1100	1700
Tensión de red Mains voltage Tension secteur	V $\sim$	230 $\pm$ 15% 50/60 Hz	240 $^{+10\%}_{-18\%}$ 50/60 Hz
	VA	50	70

Protegido contra cortocircuitos  
Protected against short-circuits  
Protégée contre les court-circuits

## EQUIPO COMPLETO - COMPLETE SYSTEM - ÉQUIPEMENT COMPLET

		905-ZP SERIES
Temperatura en proximidad del equipo Operating temperature close to equipment Température en proximité de l'équipement	° C	-10 .. +65
Temperatura ambiente con/sin ventilador Room temperature with/without fan Température ambiante avec ou sans ventilateur	° C	-10 .. +55/+45
Índice de protección Protection index Indice de protection		IP 20





## DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

**Manufacturer's Name:** ALCAD, S.A.  
**Manufacturer's Address:** Pol. Ind. Arreche-Ugalde, 1  
Apdo. 455  
20305 IRUN (Guipúzcoa)  
SPAIN

declares that the product  
**Product Name:** 905 Series: MODULAR AMPLIFIERS  
**Model Number(s):** ZP-201, ZP-601, ZP-401, ZP-421, AS-102, AS-125

**Product Option(s):** INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN 50083-1:1993

EMC: EN 50083-2:2001

EN 61000-6-1:2001

EN 61000-4-2:1995 ESD 15KV AD, 8KV CD.

EN 61000-4-4:1995 EFT 4KV-2,5KHz Sig. Lines, 4KV-2,5KHz Power Lines.

EN 61000-4-5:1995 CWG 1KV Power Lines.

EN 61000-4-11:1994 Dips and Variation.

Technical Features : EN50083-5:2001

### Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/ECC and the EMC Directive 89/336/EEC and their relevant amendments, gathered under the directive 93/68/EEC.

Note: to comply with these directives, do not use the products without covers and operate the system as specified.



Irún,

20-06-06

Date

Anton Galarza / General Manager

Especificaciones sujetas a modificación sin previo aviso  
Specifications subject to modifications without prior notice  
Les spécifications sont soumises à de possible modifications sans avis préalable



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ISO 9001

