



ALCAD

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



SERIE 905 SERIES

AMPLIFICADOR MONOCANAL - MONOCHANNEL AMPLIFIER - AMPLIFICATEUR MONOCANAL

CÓDIGO-CODE-CODE		9050012	9050038			9050017	9050039
MODELO-MODEL-MODELE		ZG-201	ZG-601			ZG-401	ZG-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	30 ±3,0	50 ±3,0		52 ±3,0	53 ±3,0	
Regulación de ganancia Gain adjust Réglage de gain	dB	20					
Reducción de ganancia con desmezcla Gain loss with splitting Reduction du gain avec découplage	dB	3,0			3,5		
Nivel máximo de salida Maximum output level Niveau maximal de sortie	dB μ V	2x 109,0 DIN 45004B 2x 109,0 (IMD ₃ -60 dB)	2x 123,5 DIN 45004K 2x 123,5 (IMD ₃ -54 dB) AM TV 2x 118,5 (IMD ₃ -35 dB) DVB-T			120,0 DIN 45004K 120,0 (IMD ₃ -54 dB) AM TV 115,0 (IMD ₃ -35 dB) DVB-T	
Selectividad Selectivity Sélectivité	$C_n - C_{n\pm 1}$ $C_n - C_{n\pm 2}$ $C_n - C_{n\pm 3}$ dB	- - -	- 34 50	- 30 45	- 28 42	- 37 60	14,5 53,5 -
	$f_c - f_c \pm 4$ MHz	-	-	-	-	-	7,5
	$f_c - f_c \pm 12$ MHz	-	30	27	25	36	50,5
Alimentación Power supply Alimentation	V $\overline{--}$	24					
	mA	75					

AM TV $C_n - C_{n\pm 1}$: $C_{Vn} - C_{An-1} / C_{An} - C_{Vn+1}$ (C_v video carrier, C_a audio carrier)
 $C_n - C_{n\pm 2}$: $C_{Vn} - C_{An-2} / C_{An} - C_{Vn+2}$ (C_v video carrier, C_a audio carrier)
 $C_n - C_{n\pm 3}$: $C_{Vn} - C_{An-3} / C_{An} - C_{Vn+3}$ (C_v video carrier, C_a audio carrier)

DVB-T $f_c - f_c \pm 4$ MHz: (f_c center frequency)
 $f_c - f_c \pm 12$ MHz: (f_c center frequency)

DIN 45004K: 3 unequal carriers, IMD₃ at 54 dB
DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
IMD₃ -54 dB: 3 unequal carriers, EN 50083-5
IMD₃ -60 dB: 3 unequal carriers, EN 50083-5
IMD₃ -35 dB: 2 equal carriers



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): ZG-201, ZG-601, ZG-401, ZG-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,

03-07-06

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

