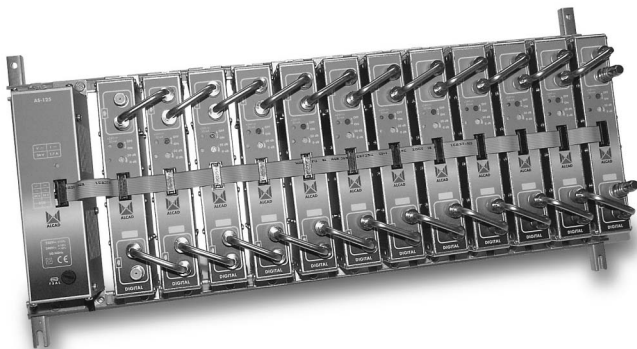




ALCAD

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



SERIE 905 SERIES

AMPLIFICADOR MULTICANAL - MULTICHANNEL AMPLIFIER - AMPLIFICATEUR MULTICANAL

CÓDIGO-CODE-CODE	9050093	9050094	9050096	9050023	9050024	9050026	
MODELO-MODEL-MODELE	ZP-412	ZP-413	ZP-414	ZG-412	ZG-413	ZG-414	
Sistema de TV TV system Système de TV	DVB-T AM TV						
Número de canales Number of channels Nombre de canaux	2	3	4	2	3	4	
Rango de frecuencia Frequency range Gamme de fréquences	Band	UHF					
	MHz	470-862					
Ganancia Gain Gain	dB ±TOL	40 ±3,0		53 ±3,0			
Regulación de ganancia Gain adjust Réglage de gain	dB	30					
Nivel máximo de salida Maximum output level Niveau maximal de sortie	dB μ V	2x 115,5 DIN 45004K 2x 101,0 DIN 45004B 2x 98,0 (IMD ₃ -66 dB) AM TV 2x 110,5 (IMD ₃ -35 dB) DVB-T		2x 123,5 DIN 45004K 2x 109,0 DIN 45004B 2x 106,0 (IMD ₃ -66 dB) AM TV 2x 118,5 (IMD ₃ -35 dB) DVB-T			
Selectividad C _n -C _{n±2} Selectivity C _n -C _{n±3} Sélectivité f _c -f _c ±12 MHz	dB	27 43 25	21 35 19	18 31 16	27 43 25	21 35 19	18 31 16
Tensión de salida Output voltage Tension de sortie	V _{...} mA	24 33					
Alimentación Power supply Alimentation	V _{...} mA	24 80					

AM TV C_n-C_{n±2}: C_{Vn}-C_{A_{n-2}} / C_{A_n}-C_{V_{n+2}} (C_v video carrier, C_a audio carrier)
C_n-C_{n±3}: C_{Vn}-C_{A_{n-3}} / C_{A_n}-C_{V_{n+3}} (C_v video carrier, C_a audio carrier)

DVB-T f_c-f_c±12MHz: (f_c center frequency)

DIN 45004K: 3 unequal carriers, IMD₃ at 54 dB
DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
IMD₃-66 dB: 3 unequal carriers, EN 50083-5
IMD₃-35 dB: 2 equal carriers

ALIMENTADOR - POWER SUPPLY - ALIMENTATION

CÓDIGO-CODE-CODE		9050083	
MODELO-MODEL-MODELE		AS-125	
Tensión de salida Output voltage	V \cdots	+24	
Tension de sortie	mA	1700	
Tensión de red Mains voltage	V \sim	230 \pm 15% 50/60 Hz	240 \pm 10% -18% 50/60 Hz
Tension secteur	VA	70	

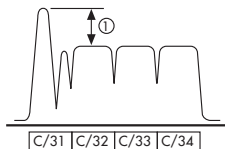
Protegido contra cortocircuitos
Protected against short-circuits
Protégée contre les court-circuits

EQUIPO COMPLETO - COMPLETE SYSTEM - ÉQUIPEMENT COMPLET

		905-ZP/ZG 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	

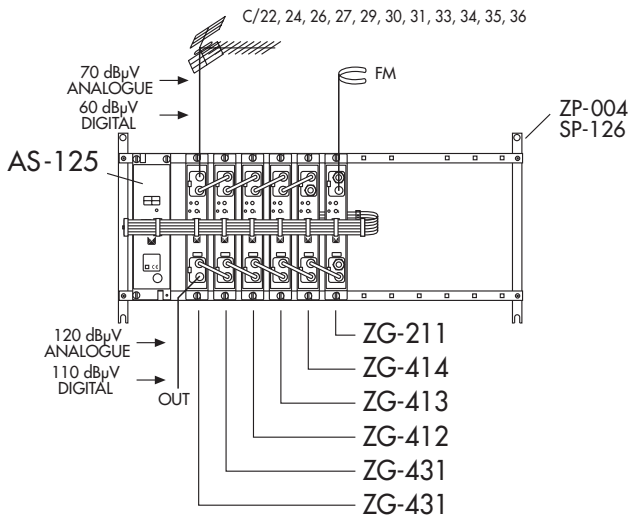
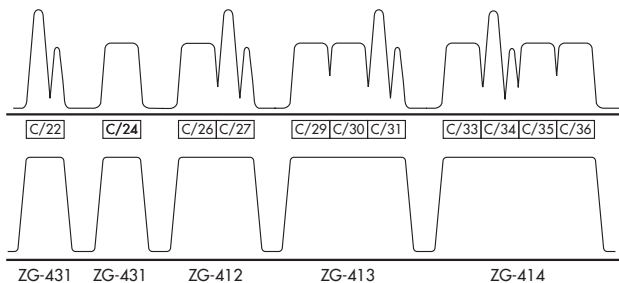
NIVEL MÁXIMO DE SALIDA MAXIMUM OUTPUT LEVEL NIVEAU MAXIMAL DE SORTIE

ZG-412/413/414		
Diferencia Difference Difference	Analogico AM TV Analogue AM TV Analogique AM TV	Digital COFDM Digital COFDM Numerique COFDM
①		
dB	dB μ V	dB μ V
0	117,0	117,0
3	120,0	117,0
5	122,0	117,0
7	123,5	116,5
10	123,5	113,5
15	123,5	108,5
20	123,5	103,5




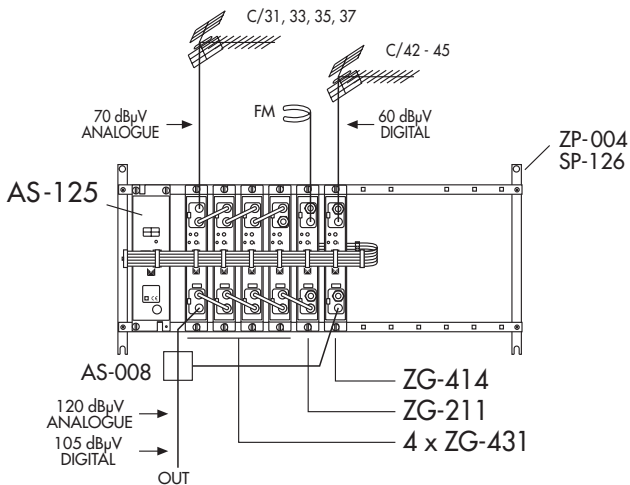
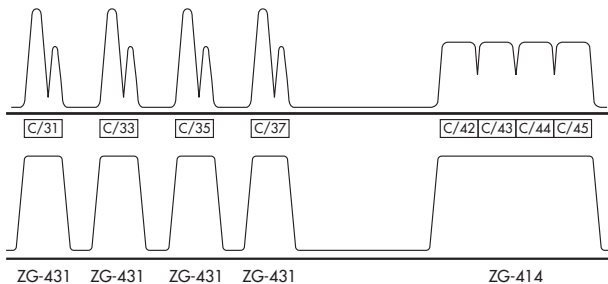
ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

	ANALOGUE AM TV
	DIGITAL COFDM



ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

	ANALOGUE AM TV
	DIGITAL COFDM





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-412, ZP-413, ZP-414, ZG-412, ZG-413, ZG-414, 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,

25-05-06

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



ALCAD, S.A.
Tel. 943 63 96 60
Fax 943 63 92 66
Int. Tel. +34 - 943 63 96 60
info@alcad.net
Apdo. 455 - Pol. Ind. Arreche-Ugalde, 1
20305 IRUN - Spain

www.alcad.net

FRANCE - Hendaye
Tel. 00 34 - 943 63 96 60

GERMANY - Munich
Tel. 089 55 26 480

CZECH REPUBLIC - Ostrovacice
Tel. 546 427 063

UNITED ARAB EMIRATES - Dubai
Tel. 971 4 887 19 50

POLAND - Cieszyn
Tel. 48 33 851 06 35



ISO 9001

