



SISTEMA DE MULTICONMUTADORES
MULTISWITCH SYSTEM
MULTISWITCH SISTEMI
SYSTÈME MULTICOMMUTATEUR



SERIE 913 SERIES

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

CÓDIGO-CODE-CODE	9130079		9130080		9130081		9130082		9130083		
MODELO-MODEL-MODELE	MB-302		MB-303		MB-304		MB-305		MB-306		
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		13/0/8	13/0/12	13/0/16	13/0/16	13/0/20	13/0/20	13/0/24	13/0/24	13/0/24	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150	47-862	950-2150	47-862	950-2150
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	0 ±2,0	0 ±2,0	1 ±2,0	1 ±2,0	1 ±2,0	1 ±2,0	2 ±2,0	2 ±2,0	2 ±2,0	2 ±2,0
Ecualización de derivación Tap equalization Yan çıkış eğimi Égalisation de dérivation	dB	3	3	2	3	2	3	1	2	1	2
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	92 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	92 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	91 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	91 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>25 TV/SAT >65 SAT/TV									
Desacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>25 TV >30 SAT									
Desacoplo de conmutación Isolation of switching Anahtarlama Découplage de commutation	dB	>30 SAT/SAT									
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSEqC 2.0 14 V $\overline{\text{---}}$ /18 V $\overline{\text{---}}$ 0/22 KHz									
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		2000 mA / 13 V $\overline{\text{---}}$									
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consumation du récepteur	mA	40 ±2,0 (14/18 V $\overline{\text{---}}$)									

IMD₃ -35 dB: 2 equal carriers, EN 50083-5
IMD₂ -35 dB: 2 equal carriers, EN 50083-5

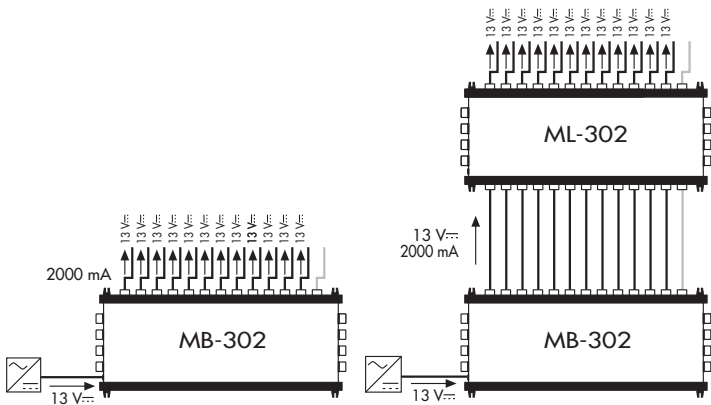
Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

CÓDIGO-CODE-CODE	9130114		9130115		9130116		9130117		9130118		
MODELO-MODEL-MODELE	ML-302		ML-303		ML-304		ML-305		ML-306		
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		13/13/8	13/13/12	13/13/12	13/13/16	13/13/16	13/13/20	13/13/20	13/13/24	13/13/24	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150	47-862	950-2150	47-862	950-2150
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	2 ±2,0	0 ±2,0	4 ±2,0	1 ±2,0	4 ±2,0	1 ±2,0	6 ±2,0	2 ±2,0	6 ±2,0	2 ±2,0
Ecuación de derivación Tap equalization Yan çıkış eğimi Egalisation de dérivation	dB	3	3	2	3	2	3	1	2	1	2
Atenuación de paso Through loss Geçiş kaybı Atténuation de passage	dB ±TOL	4,5 ±1,0	2,0 ±1,0	4,5 ±1,0	3,0 ±1,0	4,5 ±1,0	3,0 ±1,0	4,5 ±1,0	4,0 ±1,0	4,5 ±1,0	4,0 ±1,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	92 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	92 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	91 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)	91 (DIN 45004B)	100 (IMD ₃ -35 dB) 90 (IMD ₂ -35 dB)
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>25 TV/SAT >65 SAT/TV									
Desacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>25 TV >30 SAT									
Desacoplo de conmutación Isolation of switching Anahtarlama Découplage de commutation	dB	>30 SAT/SAT									
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSEqC 2.0 14 V $\overline{\text{---}}$ /18 V $\overline{\text{---}}$ 0/22 KHz									
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		2000 mA / 13 V $\overline{\text{---}}$									
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consumation du récepteur	mA	40 ±2,0 (14/18 V $\overline{\text{---}}$)									

IMD₃ -35 dB: 2 equal carriers, EN 50083-5
 IMD₂ -35 dB: 2 equal carriers, EN 50083-5

CÓMO ALIMENTAR LOS MULTISWITCHES
HOW TO FEED THE MULTISWITCH
MULTISWITCH BESLEMESI
COMMENT ALIMENTER LE MULTICOMMUTATEUR



INSTALACIÓN DE LNBS
INSTALLING LNB
LNB KULLANIMI
INSTALLATION DES LNB

QUATRO



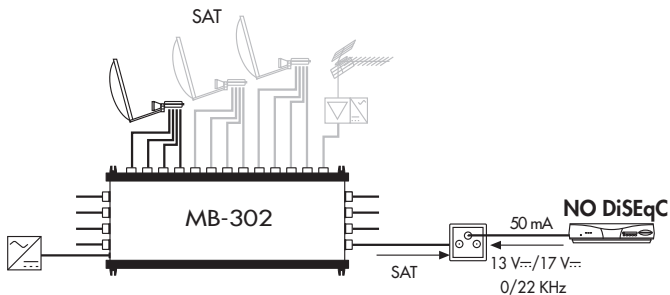
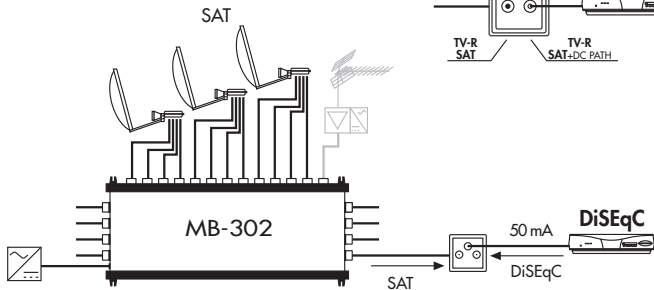
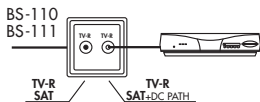
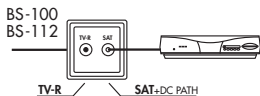
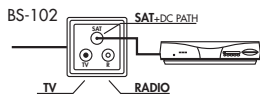
High Horizontal
High Vertical
Low Horizontal
Low Vertical

CONMUTACIÓN DE LAS SALIDAS

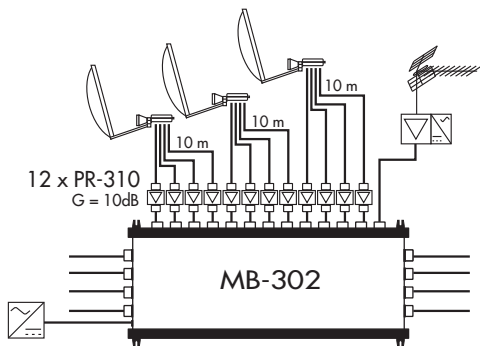
SWITCHING THE OUTPUTS

UYDU SEÇİMİ

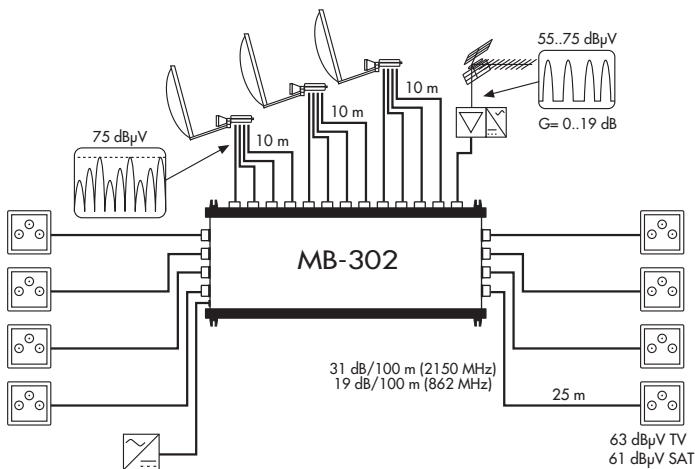
COMMUTATION DES SORTIES

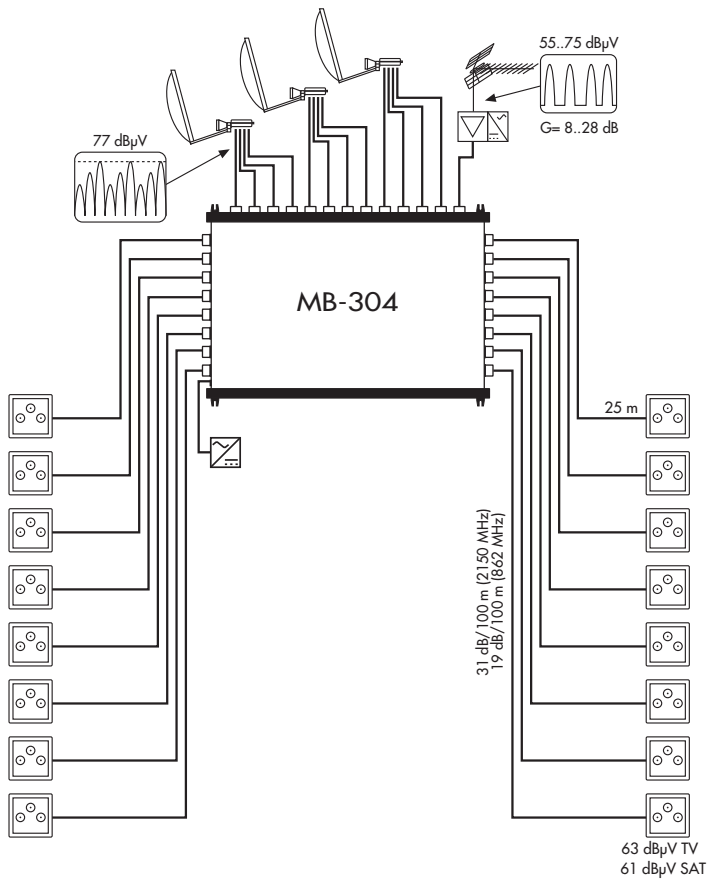


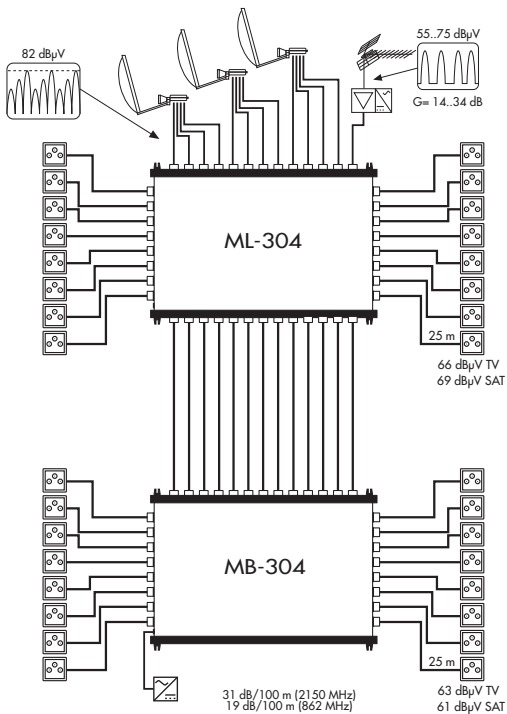
PREAMPLIFICACIÓN DE LA SEÑAL DE ANTENA
 PREAMPLIFICATION OF THE ANTENNA SIGNAL
 ÖN YÜKSELTİCİ BAĞLANTISI
 PRE AMPLIFICATION DU SIGNAL D'ANTENNE

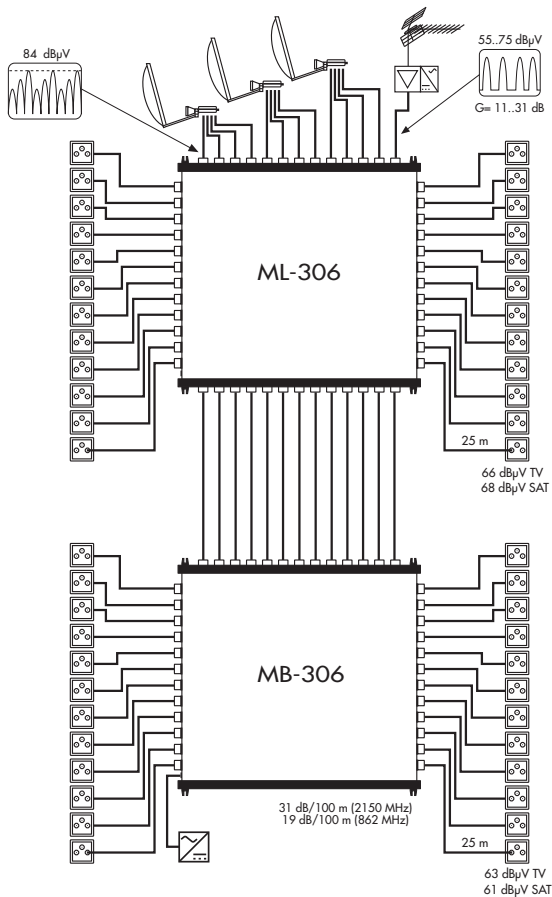


13 x 8









Instrucciones de seguridad

No exponga el equipo a goteo o proyecciones de agua. No sitúe objetos llenos de líquido, como vasos, sobre el equipo. No sitúe fuentes de llama desnuda, tales como velas encendidas, sobre el equipo. No cubra las aberturas de ventilación del equipo con objetos, tales como periódicos, cortinas, etc. Instale el equipo dejando un espacio libre alrededor para disponer de una ventilación suficiente. Instale el equipo de modo que la clavija de red de alimentación o el conector del equipo sean fácilmente accesibles.

Safety Instructions

Do not place the equipment where water can drip or splash onto it. Do not place objects containing liquid, such as glasses, on the equipment. Do not place sources of naked flame, such as burning candles, on the equipment. Do not block the ventilation slots of the equipment with objects such as newspapers, curtains, etc. When installing the equipment, leave some free space around it to provide adequate ventilation. Install the equipment in such a way that the mains supply plug or the connector of the equipment can be easily reached.

Consignes de sécurité

N'exposez pas l'équipement à des projections ou gouttes d'eau. Ne posez pas d'objets contenant du liquide, tels que des verres, sur l'équipement. Ne mettez pas de source de flamme, comme des bougies, sur l'équipement. Ne bouchez pas les ouvertures de ventilation de l'équipement avec des objets comme des journaux, des rideaux, etc. Installez l'équipement en laissant un espace libre tout autour de lui afin de permettre une ventilation suffisante. Installez l'équipement de telle sorte que la prise d'alimentation d'électricité ou le connecteur de l'équipement soit facilement accessible.



DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

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

declares that the product

Model Number(s): MB-302, MB-303, MB-304, MB-305, MB-306, ML-302, ML-303,
ML-304, ML-305, ML-306

Product Description: MULTISWITCH SYSTEM

Product Option(s): INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN 50083-1:1993
EN 60065:2002

EMC: EN 50083-2:2006

The product herewith complies with the requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC.

Supplementary Information: To comply with these directives, do not use the products without covers and operate the system as specified.



Irún(SPAIN), 21 Jul 2009



Francisco Navarro
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.L.
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 - Ostrovačice
Tel. 546 427 059

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

TURKEY - Istanbul
Tel. 212 295 97 00



ISO 9001

