



- ▶ FILTROS DE RECHAZO PARA MÁSTIL
- ▶ MAST REJECTION FILTERS
- ▶ FILTRES DE REJET POUR MAT
- ▶ FILTROS DE REJEIÇÃO PARA MASTRO
- ▶ ABWEHRFILTER FÜR MASTEN



SERIE 902 SERIES

CARACTERISTICAS PRINCIPALES		
MAIN FEATURES		
PRINCIPALES CARACTERISTIQUES		
CARACTERISTICAS PRINCIPAIS		
WESENTLICHE KENNZEICHEN		
CODIGO-CODE-CODE-CODIGO-CODE		9020016
TIPO-TYPE-TYPE-TIPO-TYP		FR-413
NUMERO DE ENTRADAS/SALIDAS NUMBER OF INPUTS/OUTPUTS NOMBRE D'ENTREES/SORTIES NUMERO DE ENTRADAS/SAIDAS ANZAHL DER EINGANGE/AUSGANGE		1/1
NUMERO DE FILTROS NUMBER OF FILTERS NOMBRE DE FILTRES NUMERO DE FILTROS ANZAHL DER FILTER		4
RANGO DE FRECUENCIA FREQUENCY RANGE GAMME DE FREQUENCES RANGO DE FRECUENCIAS FREQUENZBEREICH	Band	UHF
	MHz	470-862
ATENUACION DE INSERCIÓN INSERTION LOSS ATTENUATION D'INSERTION PERDAS DE INSERÇÃO EINSPEISDÄMPFUNG	dB ± TOL	1 ±0,2
FILTROS/CANAL - RECHAZO FILTROS/CANAL - REJEIÇÃO FILTERS/CHANNEL - REJECTION FILTRES/CANAL - REJET FILTER/KANALSPERRE	dB	1 / 14 ± 4,0 2 ⁽¹⁾ / 33 ± 6,0 3 / 44 ±12,0 4 / 52 ±12,0
TEMPERATURA DE FUNCIONAMIENTO OPERATING TEMPERATURE TEMPERATURE DE FONCTIONNEMENT TEMPERATURA DE FUNCIONAMENTO BETRIEBSTEMPERATUR	°C	-10..+65
ÍNDICE DE PROTECCIÓN PROTECTION INDEX INDICE DE PROTECCIÓN INDICE DE PROTECÇÃO SCHUTZKLASSE		IP 53

(1) Sintonzar filtros alternos.

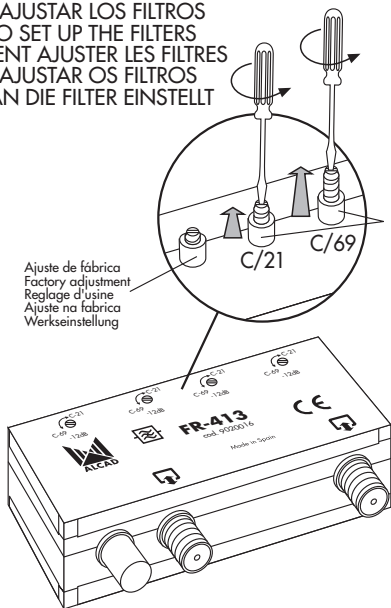
(1) Tune alternate filters.

(1) Régler les filtres alternatifs.

(1) Sintonzar filtros alternos.

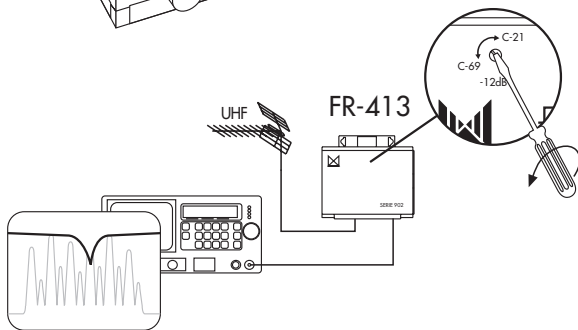
(1) Abwechselnde Filter Einstelle.

- ▶ COMO AJUSTAR LOS FILTROS
- ▶ HOW TO SET UP THE FILTERS
- ▶ COMMENT AJUSTER LES FILTRES
- ▶ COMO AJUSTAR OS FILTROS
- ▶ WIE MAN DIE FILTER EINSTELLT

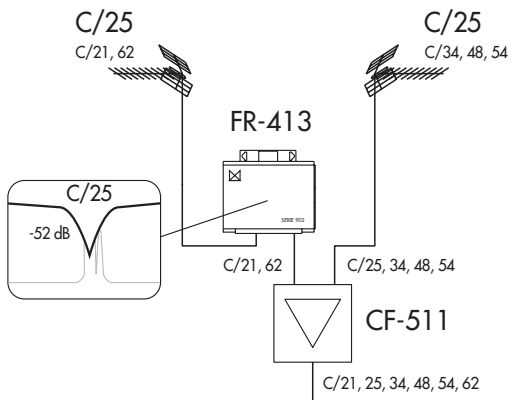


Ajuste de fábrica
Factory adjustment
Reglage d'usine
Ajuste na fabrica
Werkseinstellung

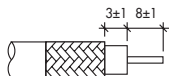
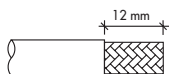
Ajuste del usuario
User's adjustment
Reglage d'usagé
Ajuste do usuário
Benutzerseinstellung



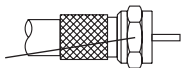
- ▶ ESQUEMA TÍPICO
- ▶ CONNECTION DIAGRAM
- ▶ SCHEMA DE CONNEXION
- ▶ ESQUEMA TIPICO
- ▶ VERDRAHTUNGSPLAN



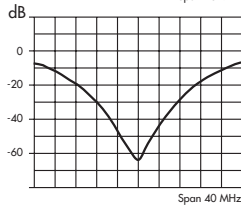
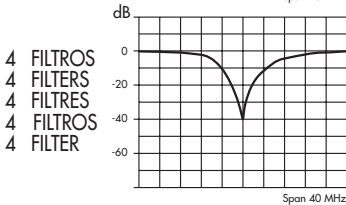
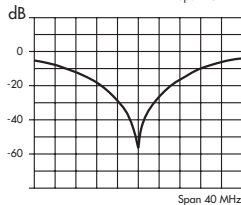
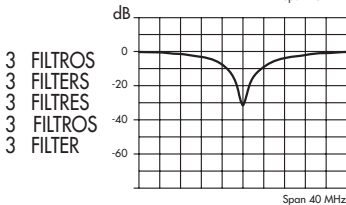
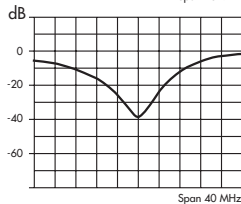
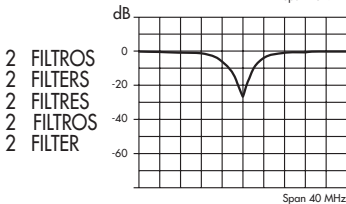
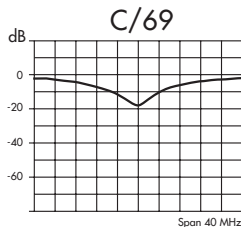
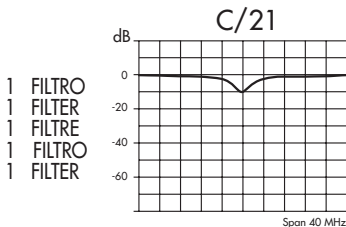
- ▶ COMO PREPARAR LOS CONECTORES F
- ▶ HOW TO PREPARE THE F CONNECTORS
- ▶ COMMENT PREPARER LES CONNECTEURS F
- ▶ COMO PREPARAR OS CONECTORES F
- ▶ KABEL VORBEREITUNG FÜR F-STECKER



CM-004
9120039



- ▶ RESPUESTA EN FRECUENCIA DE LOS FILTROS
- ▶ FREQUENCY RESPONSE OF THE FILTERS
- ▶ RÉPONSE EN FRÉQUENCE DES FILTRES
- ▶ REPOSTA EM FREQUÊNCIA DOS FILTROS
- ▶ FREQUENZGANG DER FILTER





DECLARATION OF CONFORMITY

according to EN 45014

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: 902 Series: MAST REJECTION FILTERS
Model Number(s): FR-413

Product Option(s): INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN50083-1

EMC: EN 50083-2, EN 50081-1 Electromagnetic Compatibility for Equipment
IEC 61000-4-2:1995 / EN 50082-1:1997 ESD 8KV AD, 4KV CD.
IEC 61000-4-4:1995 / EN 50082-1:1997 EFT 0,5KV- 5KHz Sig. Lines, 1KV-5KHz Power Lines.
IEC 61000-4-5:1995 / EN 50082-1:1997 CWG 1KV Power Lines.
IEC 61000-4-11:1994 / EN 50082-1:1997 Dips and Variation.

Technical Features : EN50083-4

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 directives 93/68/EEC.

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



Irún,

2-03-04

Date

Antton Galarza / General Manager



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ISO 9001



ER-0196/1996