

Multiband amplifier MBX7741

MBX Series



Multiband amplifier to amplify and mix signals from several sources. Die cast housing, fully shielded with F female connectors. Separate VHF and UHF amplification for 119dB μ V version, broad band PUSH-PULL amplification for 124dB μ V Version. High gain and high output level allow the use of these products in medium and large networks. Cover fixed with safety screws. Compatible with DTT signals in COFDM modulation.

Key points

- Separate amplification VHF and UHF bands
- Switching mode power supply
- High output level
- Low noise figure
- Completely shielded
- Quick and easy installation

			MBX7741
Fracarro Code			235006
Inputs			no. 4
	Input 1	Band	FM
	Input 2	Band	I + III
	Input 3	Band	UHF
	Input 4	Band	UHF
Outputs			no. 1
INPUT 1 FM Band			
Bandwidth	MHz		88-108
Gain	dB		40
Gain adjustment	dB		20
Noise figure	dB		11
Maximum output level (IM3 -60dBc 3 tones)	dB μ V		124
INPUT 2 Band I +III			
Bandwidth	MHz		47-68 , 174-230
Gain	dB		40
Gain adjustment	dB		20
Noise figure	dB		11
Maximum output level (IM3 -60dBc 3 tones)	dB μ V		124
Maximum output level (IM3 -35dBc 2 tones)	dB μ V		131
Only DTT signals	dBuV		
INPUT 3 UHF Band			
Bandwidth	MHz		470-862
Gain	dB		40
Gain adjustment	dB		20
Noise figure	dB		11
Maximum output level (IM3 -60dBc 3 tones)	dB μ V		124
Maximum output level (IM3 -35dBc 2 tones)	dB μ V		131
Only DTT signals	dBuV		

INPUT 4 UHF Band

Bandwidth	MHz	470-862
Gain	dB	40
Gain adjustment	dB	20
Noise figure	dB	11
Maximum output level (IM3 -60dBc 3 tones)	dBμV	124
Maximum output level (IM3 -35dBc 2 tones)	dBuV	131
Only DTT signals		

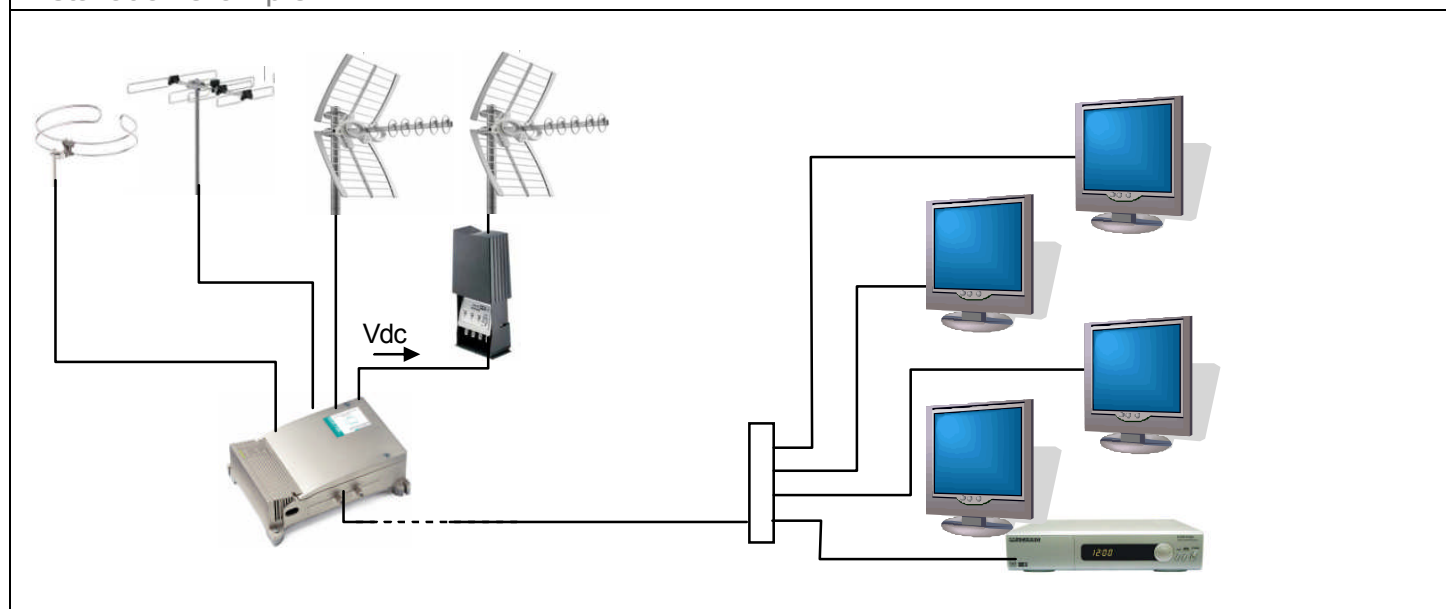
Main Features

Mains	Vac, Hz	220-240, 50-60
Remote power	V	12, 100mA max.
Power consumption	W	13.5
Connectors	type	F female
Operating temperature	°C	-10 to +55
IP protection		IP20
Test output port	dB	-30

Fracarro Code	Item	Packaging	EAN Code	Quantity	Dimensions	Net weight	Total weight
				Pcs	mm	Kg	Kg
235006	MBX7741	Single	8016978052271	1	240x190x60	2.10	2.10

Standard conformity EN 50083-2 (89/336/EEC-EMC)

Installation example



Fracarro Radioindustrie S.p.A.
via Cazzaro, 3
31033 Castelfranco Veneto (TV)
Italy
tel. +39 0423 7361
fax +39 0423 736220
www.fracarro.com
info@fracarro.com

Fracarro (UK) Ltd
Unit A.
Ibex House, Keller Close
Kiln Farm, Milton Keynes.
MK11 3LL
UK
Tel. +44(0)1908 571571
Fax +44(0)1908 571570

Fracarro Ibérica
Polígono Táctica "Ciudad
de los negocios"
C/2A, n° 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

Fracarro France S.A.S.
14 bis rue du Ratriat
92158 Suresnes Cedex
France
Tel. +33 1 47283400
Fax +33 1 47283421

Fracarro Tecnologia e
Antenas de Televisão Lda
Rua Alexandre Herculano, n°1-1°B
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809