

Multiband amplifier MBX5541

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

			MBX5541
Fracarro Code			235002
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	31	
Gain adjustment	dB	20	
Noise figure	dB	4,5	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	116	
INPUT 2 Band I +III			
Bandwidth	MHz	47-68 , 174-230	
Gain	dB	30	
Gain adjustment	dB	20	
Noise figure	dB	4,5	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	116	
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	123	
Only DTT signals	dB μ V		
INPUT 3 UHF Band			
Bandwidth	MHz	470-862	
Gain	dB	30	
Gain adjustment	dB	20	
Noise figure	dB	7.5	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	119	
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	126	
Only DTT signals	dB μ V		

INPUT 4 UHF Band

Bandwidth	MHz	470-862
Gain	dB	30
Gain adjustment	dB	20
Noise figure	dB	7.5
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	119
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	126
Only DTT signals		

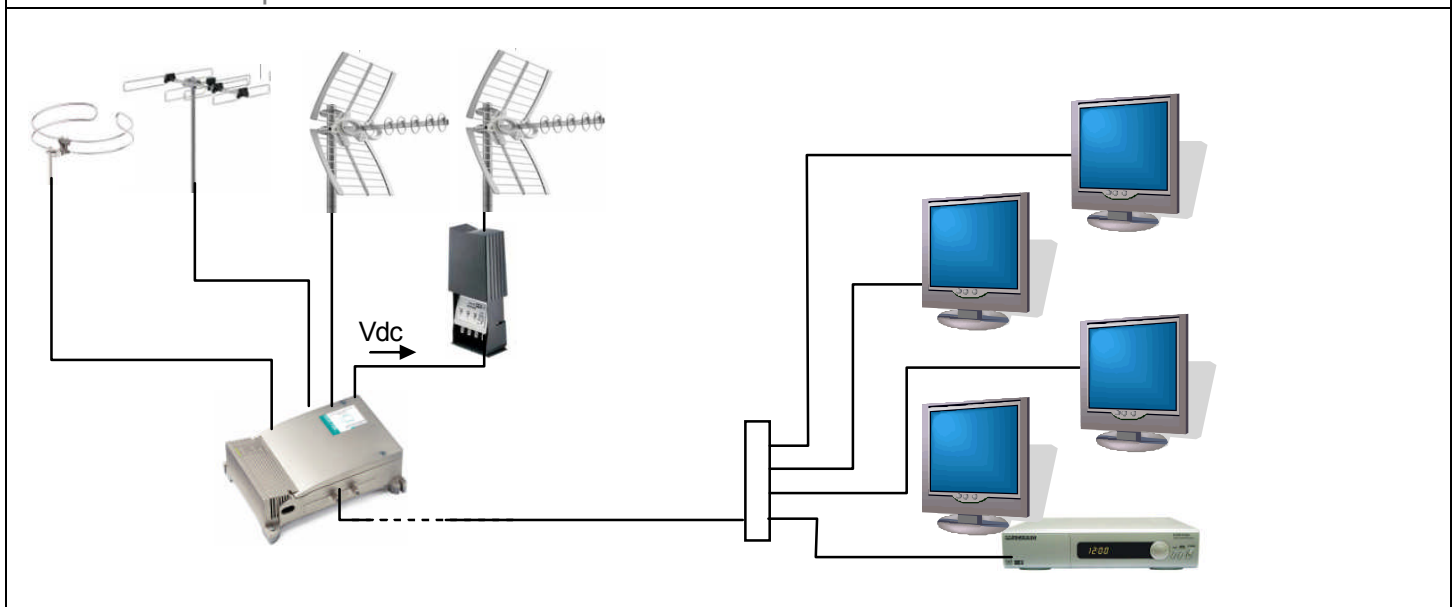
Main features

Mains	Vac, Hz	220-240, 50-60
Remote power	V	12, 100mA max.
Power consumption	W	8,5
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
235002	MBX5541	Single	8016978052257	1	240x190x60	1.80	1.80

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, nº 4 - 46980
Paterna - Valencia
Tel. +34/961340104
Fax. +34/961340691

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

Fracarro Tecnologia e
Antenas de Televisao Lda
Rua Alexandre Herculano, nº1-1ºB
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809