

Multiband amplifier MBJ3656

MBJ Series



Multiband amplifier to amplify and mix signals from several sources. Two possible versions, at 112/113dB μ V and at 117dB μ V, to be used in small and medium networks.

Metal housing, fully shielded, with plastic cover and F connectors. 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

			MBJ3656
Fracarro Code			223328
Inputs	no.	5	
	Input 1	Band	I +FM+C
	Input 2	Band	III
	Input 3	Band	IV
	Input 4	Band	V
	Input 5	Band	UHF
Outputs	no.	1	
INPUT 1 Band I			
Bandwidth	MHz	47-108	
Gain	dB	33	
Gain adjustment	dB	20	
Noise figure	dB	4	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	100	
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	117	
Only DTT signals	dB μ V		
INPUT 2 Band III			
Bandwidth	MHz	174-230	
Gain	dB	31	
Gain adjustment	dB	20	
Noise figure	dB	4	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	110	
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	117	
Only DTT signals	dB μ V		
INPUT 3 Band IV			
Bandwidth	MHz	470-590	
Gain	dB	31	
Gain adjustment	dB	20	
Noise figure	dB	8	
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	117	
Maximum output level (IM3 -35dBc 2 tones)	dB μ V	124	
Only DTT signals	dB μ V		



INPUT 4 Band V

Bandwidth	MHz	610-862
Gain	dB	32
Gain adjustment	dB	20
Noise figure	dB	8
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	117
Maximum output level (IM3 -35dBc 2 tones)	dBuV	124
Only DTT signals		

INPUT 5 Band UHF

Bandwidth	MHz	470-862
Gain	dB	32
Gain adjustment	dB	20
Noise figure	dB	8
Maximum output level (IM3 -60dBc 3 tones)	dB μ V	117
Maximum output level (IM3 -35dBc 2 tones)	dBuV	124
Only DTT signals		

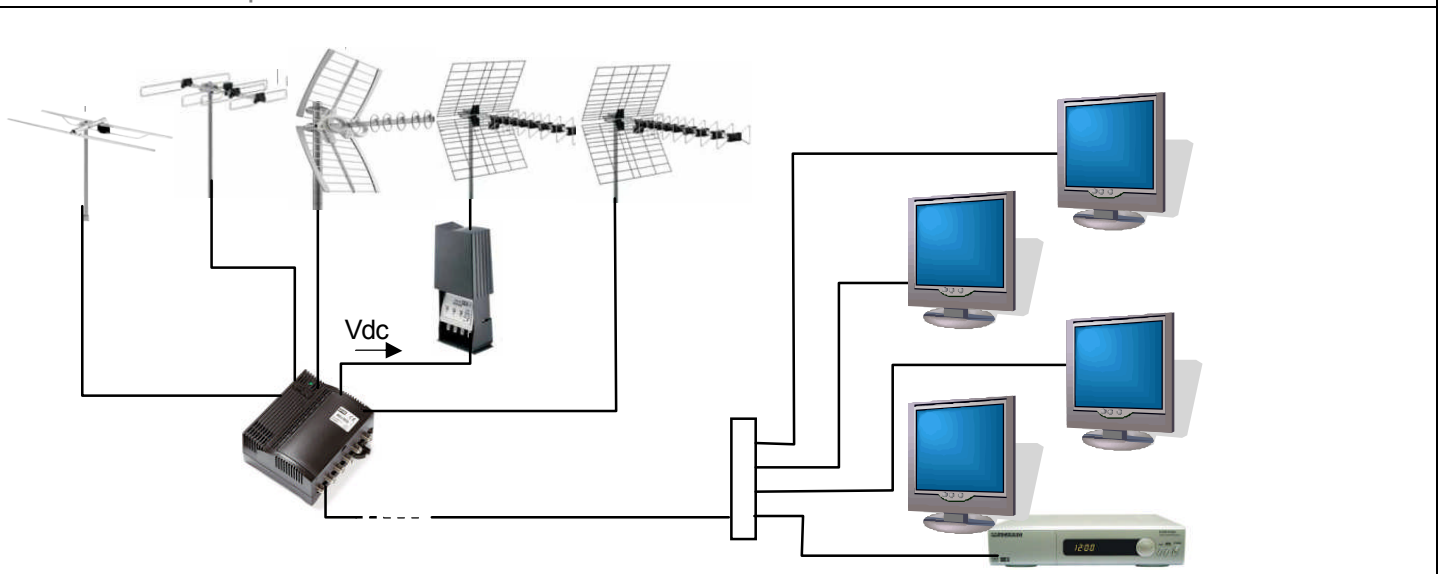
Main features

Mains	Vac, Hz	220-240,50-60
Remote power	V	12, 100mA max.
Power consumption	W	7
Connectors	type	F female
Operating temperature	$^{\circ}$ C	-10 to +55
IP protection		IP20

Fracarro Code	Item	Packaging	EAN Code	Quantity	Dimensions	Net weight	Total weight
				Pcs			
223328	MBJ3656	Single	8016978065981	1	145x70x130	0.470	0.470

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
Poligono Táctica "Ciudad
de los negocios"
C/2A, n $^{\circ}$ 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, n $^{\circ}$ 1-1 $^{\circ}$ B
Edifício Central Park
2795-242 Linda-a-Velha
Portugal
Tel.: +351214156800
Fax: +351214156809