

Multiband amplifier MBX7750

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.

Key points

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

		MBX7750	
Fracarro Code		235005	
Inputs		no.	5
	Input 1	Band	I
	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	47-68 (extendable up to 108MHz via jumper)	
Gain	dB	40	
Gain adjustment	dB	20	
Noise figure	dB	11	
Maximum output level (IM3 -60dBc 3 tones)	dBµV	124	
INPUT 2 Band 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)	dBµV	124	
Maximum output level (IM3 -35dBc 2 tones)	dBµV	131	
Only DTT signals			
INPUT 3 Band IV			
Bandwidth	MHz	470-590	
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)	dBµV	131	
Only DTT signals			

INPUT 4 Band V

Bandwidth	MHz	610-862
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)	dBμV	131
Only DTT signals		

INPUT 5 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)	dBμV	131
Only DTT signals		

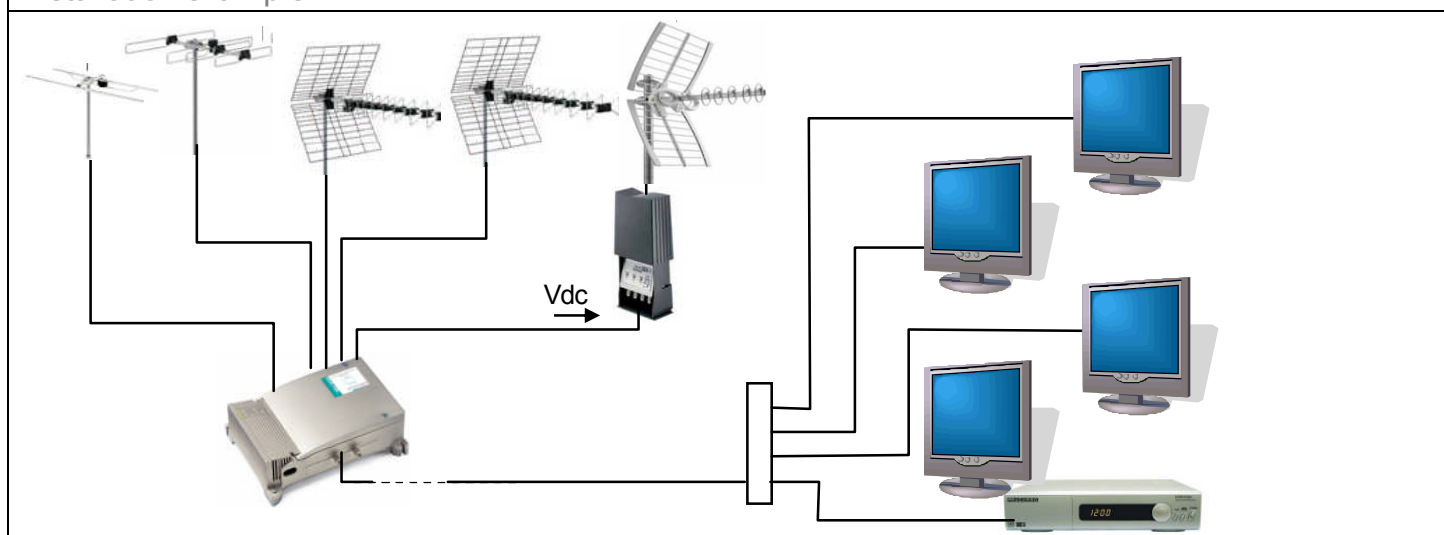
Main features

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
235005	MBX7750	Single	8016978052295	1	240x190x60	2.10	2.10

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

Installation example



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