

Multiband amplifier MBX5741

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

			MBX5741
Fracarro Code			235001
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	35	
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	36, 38	
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	43	
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	43
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		

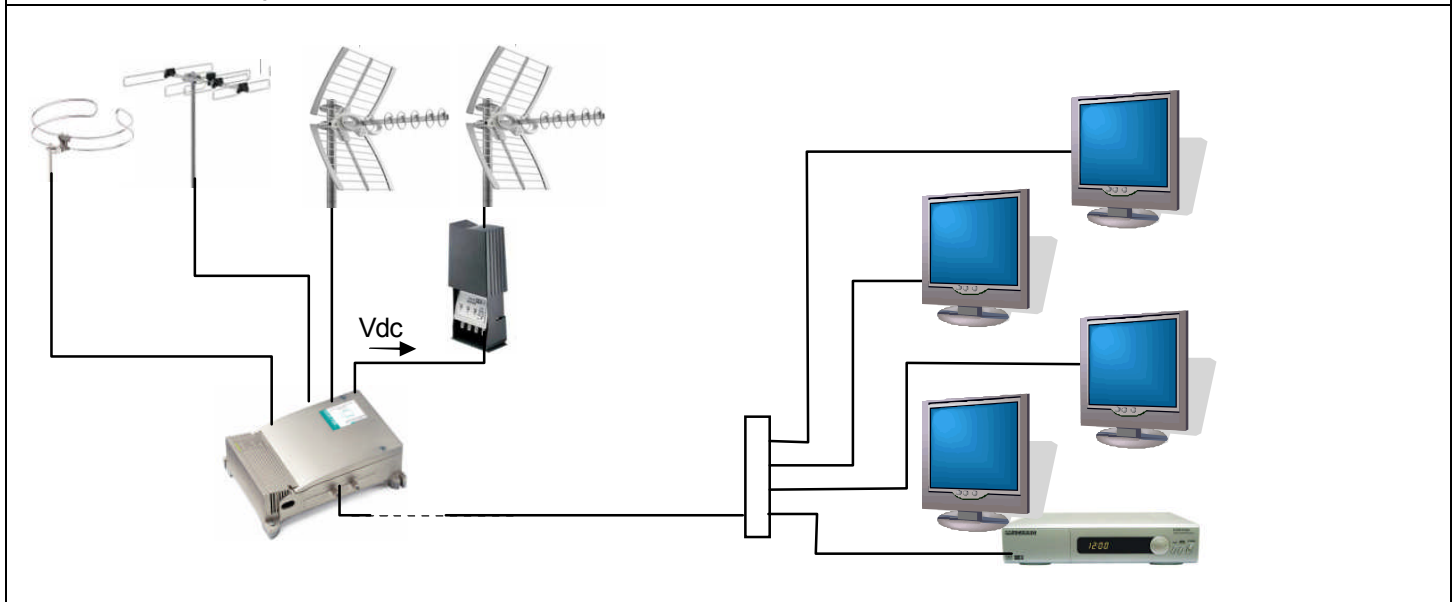
Main features

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
235001	MBX5741	Single	8016978052240	1	240x190x60	1.80	1.80

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

Installation example



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