

Multiband amplifiers and equaliser filters

Multiband amplifiers

MBX Series

Multiband amplifiers to amplify and mix signals from several sources. Die-cast housing, totally shielded with F connectors. Separate VHF and UHF band amplification on the 119dB μ V version, broadband push-pull amplification on the 124dB μ V version. High gain and high output level allow the use of these products in medium to large installations.

Cover fixed with safety screws. Compatible with DTT signals in COFDM modulation. Packaging 1 pc.

- High output level, up to 124dB μ V
- Test point -30dB available on all products
- All the adjustments are located, under the cover to prevent unauthorised access
- Switch mode power supply, high efficiency and low consumption
- Remote power supply adjustable on each input, 100mA max.



Item	Code	Inputs No.	Inputs / Gain dB										Output level* (-60dB 3 eq. carr.) dB μ V VHF/UHF	Noise figure dB VHF/UHF	Power consump. W
			VHF 47-238MHz E2-S30	FM 87.5-108MHz	B. I	B. III	B. IV	B. V	B. UHF	B. UHF B.	B. UHF	B. UHF			
MBX5541	235002	4	-	31	30		-	-	30	30	-	116/119	4.5/7.5	8.5	
MBX5550	235004	5	-	-	31 ⁽¹⁾	31	30	30	30	-	-	116/119	4.5/8.5	8.5	
MBX5550/..⁽²⁾	235008	5	-	-	31 ⁽¹⁾	31	30	30	30	-	-	116/119	4.5/8.5	8.5	
MBX5551⁽³⁾	235015	5	-	34	34	34	-	-	32	32	-	116/119	5/8.5	8.5	
MBX5710. New	235025	1	43	-	-	-	-	-	43	-	-	116/119	4.5/6	8.5	
MBX5720	235021	2	43	-	-	-	-	-	43	-	-	116/119	4.5/6	8.5	
MBX5741*	235001	4	-	35	B. I 36	B. III 38	-	-	43	43	-	116/119	4.5/7.5	8.5	
MBX5750	235003	5	-	-	35 ⁽¹⁾	38	43	43	43	-	-	116/119	4.5/8.5	8.5	
MBX5750/..⁽²⁾	235009	5	-	-	35 ⁽¹⁾	38	43	43	43	-	-	116/119	5/8.5	8.5	
MBX5752⁽³⁾	235014	5	-	35	B. I 36	B. III 38	-	-	30	42	42	116/119	5/8.5	8.5	
MBX5851⁽³⁾	235016	5	-	34	34	34	-	-	44	44	-	116/119	5/8.5	8.5	
MBX7741	235006	4	-	40	40		-	-	40	40	-	124	11	13.5	
MBX7750	235005	5	-	-	40 ⁽¹⁾	40	40	40	40	-	-	124	11	13.5	
MBX7750/..⁽²⁾	235010	5	-	-	40 ⁽¹⁾	40	40	40	40	-	-	124	11	13.5	

* Also available with UK plug: MBX5741UK - Code 235012

General features

Gain adjustment	dB	0-20 on every input
Linearity	dB	± 2
Isolation between inputs	dB	> 20
Remote power	V	12, 100mA total, available on any input
Test point	dB	- 30
Mains voltage	Vac, Hz	220-240, 50-60
Power supply		Switch mode, isolation class: II
Impedance	Ohm	75
Connectors		F
Protection		IP20
Dimensions (LxHxW)	mm	194x143x64
Operating temperature	°C	-10 to +55

Item	Code	
MBX0001	235000	Accessories kit composed of no. 2 plastic supports & mounting screws. This is used to install the MBX series leaving a space between the amplifier and the wall. Packaging 10 pcs.

⁽¹⁾ Ability to extend the band up to 108MHz using an internal jumper

⁽²⁾ Models with suffix /.. are tuned specially, the last channel of band IV and the first channel of band V must be specified on order (e.g. MBX5750/38-40)

⁽³⁾ MBX0001 spacing kit included in the packaging

• In the standard models without suffix band IV includes channels E21-E35 and band V includes the channels E39-E69

* For exclusively DTT distributions the output level can be increased by 7dB (i.e. 108 analogue --> 115 digital).