

Multiband amplifier MBX5550

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
- Quick and easy installation

| | | | MBX5550 |
|---|------------|--|---------|
| Fracarro Code | | | 235004 |
| Inputs | n.° | 5 | |
| | Input 1 | Band | I |
| | Input 2 | Band | III |
| | Input 3 | Band | IV |
| | Input 4 | Band | V |
| | Input 5 | Band | UHF |
| Outputs | n.° | 1 | |
| INPUT 1 Band I | | | |
| Bandwidth | MHz | 47-68 (extendable up to 108MHz via jumper) | |
| 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 III | | | |
| Bandwidth | MHz | 47-68 , 174-230 | |
| Gain | dB | 31 | |
| 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 Band IV | | | |
| Bandwidth | MHz | 470-590 | |
| Gain | dB | 30 | |
| Gain adjustment | dB | 20 | |
| Noise figure | dB | 8.5 | |
| 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 Band V

| | | |
|---|------------|---------|
| Bandwidth | MHz | 610-862 |
| Gain | dB | 30 |
| Gain adjustment | dB | 20 |
| Noise figure | dB | 8.5 |
| Maximum output level (IM3 -60dBc 3 tones) | dB μ V | 119 |
| Maximum output level (IM3 -35dBc 2 tones) | dBuV | 126 |
| Only DTT signals | | |

INPUT 5 UHF Band

| | | |
|---|------------|---------|
| Bandwidth | MHz | 470-862 |
| Gain | dB | 30 |
| Gain adjustment | dB | 20 |
| Noise figure | dB | 8.5 |
| Maximum output level (IM3 -60dBc 3 tones) | dB μ V | 119 |
| Maximum output level (IM3 -35dBc 2 tones) | dBuV | 126 |
| Only DTT signals | | |

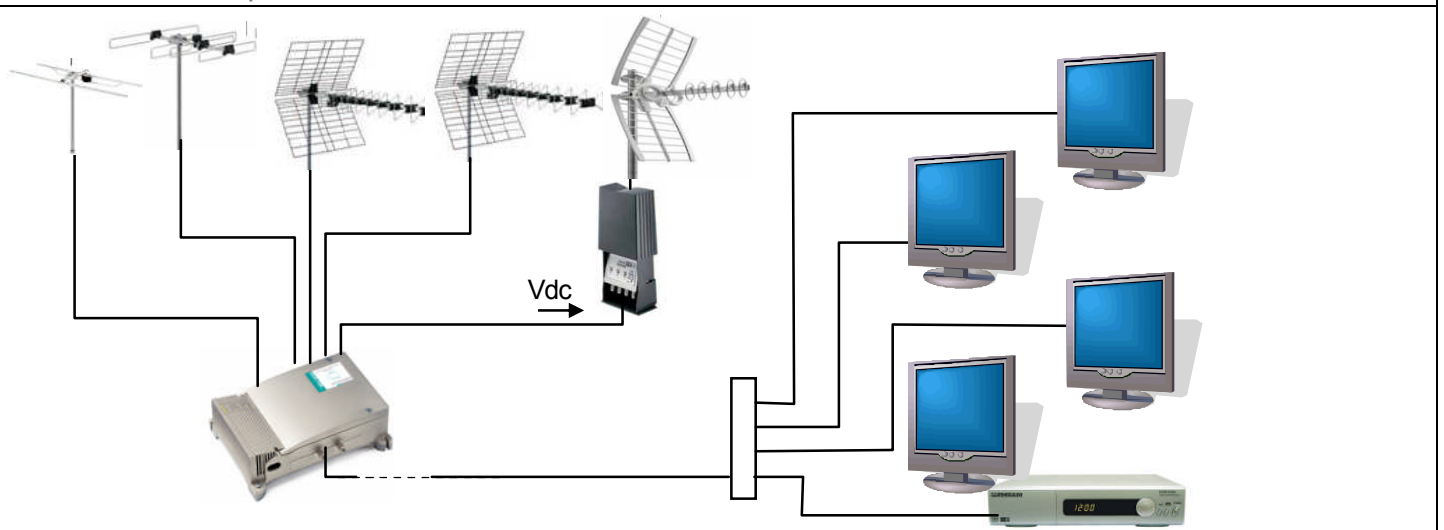
Main Features

| | | |
|-----------------------|--------------|----------------|
| Mains | Vac, Hz | 220-240, 50-60 |
| Remote power | V | 12, 100mA max. |
| Power consumption | W | 8.5 |
| Connectors | type | F female |
| Operating temperature | $^{\circ}$ 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 |
| 235004 | MBX5550 | Single | 8016978052288 | 1 | 240x190x60 | 1.80 | 1.80 |

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

Installation example



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