

## MBX5740 T2

### Multiband amplifier



4-input (III+DAB, IV, V, UHF) multiband TV indoor amplifier with 43dB gain and up to 125dB $\mu$ V output level on UHF band, separate amplification with independent level adjustment (20dB) for each input and low noise figure. T2 technology with UHF cut band for LTE 4G @790MHz and 5G @694MHz.

### Technical Chars

- **Built-in 5G filter** to **maximize gain and signal level** in distribution compared to using an external filter.
- High gain and high output level make it ideal for use in medium to large centralized systems.
- **High shielding against LTE interference (LTE Free)** due to **die-cast ZAMA** chassis with F connectors and metal cover with **captive screws** covering the amplification section.
- Adjustments placed inside, under the cover, to **prevent tampering** by third parties.
- -30dB test socket available on all models.
- Jumpers for inserting **remote power supply** on all inputs (100mA total), self-resetting **short-circuit protection** system and power supply status LED.
- **High-performance, low-power switching power supply.**
- Terminal for connection of TV system grounding.

| initial_fields       |            |                                     |
|----------------------|------------|-------------------------------------|
| Code                 |            | 235121                              |
| Input no.            |            | 4                                   |
| Inputs               |            | III+DAB, IV, V, UHF                 |
| DAB, III Frequency   | MHz        | 174 - 230                           |
| Frequency IV         | MHz        | 470 - 590                           |
| V Frequency          | MHz        | 590 - 694                           |
| Frequency            | MHz        | 470 - 694                           |
| Gain                 | dB         | III+DAB: 38; IV: 43; V: 43; UHF: 43 |
| Gain adjustment      | dB         | III+DAB: 20; IV: 20; V: 20; UHF: 20 |
| Optical noise figure | dB         | III+DAB: 4.5; UHF: 7.5              |
| Outputs number       |            | 1                                   |
| Output level         | dB $\mu$ V | III+DAB: 122; UHF: 125              |
| Connectors           |            | F female                            |
| Filter               |            | 5G                                  |

| Specifications           |          |                 |
|--------------------------|----------|-----------------|
| Power supply voltage     | Vdc/A    | 220-230 / 50-60 |
| Current consumption      | W        | 8.5             |
| Isolation class          |          | II              |
| Remote feeding           |          | 100mA@12V total |
| Output test              | dB       | -30             |
| Impedence                | $\Omega$ | 75              |
| Operating temperature    | °C       | -10 to +55      |
| Protection               |          | IP20            |
| Dimensions and packaging |          |                 |
| Pieces                   |          | 1               |
| EAN code                 |          | 8016978104857   |
| Packaging dimensions     | mm       | 240 x 185 x 60  |
| Product dimensions       | mm       | 194 x 143 x 64  |
| Packaging weight         | kg       | 1.8             |
| Net Weight               | kg       | 2.1             |
| Weight                   | kg       | 2.2             |