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DTKom broadband multiband amplifier

5 inputs: FM-III-21..36-38..48-UHF -
LTE700 Ready

High-power multiband amplifier with multiple controls on the front end, which design uses components that minimize the total noise figure. Equipped with 5 inputs (FM-III-21...36-38...48-UHF). The UHF band is divided in 2 of the inputs, which is useful in two-repeater reception installations since it allows an appropriate filtering of the channels for each of them.

Equipped with LTE700 filtering.
RED compliant

Ref.534120

Art.Nr

EAN13

8424450214558

Highlights

- Separate amplification minimizes intermodulation between bands and provides high output levels
- Designed using Push-Pull technology, which guarantees levels in the 123 dBμV range for terrestrial signals.
- Includes a high-performance low-power consumption switch-mode power supply
- High-screening Zamak chassis The design facilitates appropriate cooling

Main features

- Switch for pre-amplifier or BOSS system powering
- Switched configurable gain (high/low), and high output level
- Intuitive front cover, including adjustments and block diagram
- Output signal LED indicator

Technical specifications

| Bands | | | UHF | BV | BIV | BIII | FM |
|-----------------------------|-----------------------|----------------|-------------------------|----------------------------|----------------------------|----------------------|----------------------|
| Frequency margin | | MHz | 470 ... 694 | 606 ... 694 (Ch38...48) | 470 ... 598 (Ch21...36) | 174 ... 370 | 88 ... 108 |
| Gain | 0 | dB | 42 | 41 ⁽¹⁾ | 41 ⁽²⁾ | 42 | 25 |
| | 10 | | 32 | 31 ⁽¹⁾ | 31 ⁽²⁾ | 32 | 25 |
| Gain margin | | | (Manual) 0 ... 20 | (Manual) 0 ... 20 | (Manual) 0 ... 20 | (Manual) 0 ... 20 | (Manual) 0 ... 20 |
| Max. output level | IMD3 (2 tones,-35 dB) | dBμV (dBmV) | 125 (65) | | | | |
| | DIN 45004B | | 123 (63) | | | | |
| | IMD3 (2 tones,-60 dB) | | 120 (60) | | | | |
| | IMD2 (2 tones,-60 dB) | | - | - | - | 122 (62) | - |
| Noise figure | | dB | 10 | 10 | 10 | 5 | 6 |
| Test | | | -20 | | | | |
| Powering inputs | | V= | 12 | | | | |
| Max. curent inputs | | mA | 50 | | | | |
| Mains voltage /frequency | | V~ / Hz | 120 ... 230 / 50-60 | | | | |
| Total AC consumption | OFF | W / mA | 5,8 / 120 | | | | |
| | ON | W / mA | 9,6 / 180 | | | | |
| Protection level | | IP | 20 | | | | |
| Operating temperature range | | °C (°F) | -5 ... +45 (23 ... 113) | | | | |

(1) G(Ch38)=37/27dB

(2) G(Ch36)=38/28dB