



DTKom power-doubling line broadband multiband amplifier 1 input: Return Ch. + MATV

High-power multiband amplifier for CATV operator distribution. Its expanded bandwidth (54 MHz-1002 MHz) offers an user selectable gain of 30/40dB. Equipped with switchable return channel (5 MHz-42 MHz), which has a return gain of 28dB when active mode is selected.

| | |
|-------|---------------|
| Ref. | 451280 |
| EAN13 | 8424450177280 |

Packing

| | |
|-----|--------|
| Box | 1 pcs. |
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Physical data

| | |
|---------------------|------------|
| Net weight | 1,911.00 g |
| Gross weight | 2,210.00 g |
| Width | 280.00 mm |
| Height | 141.00 mm |
| Depth | 50.00 mm |
| Main product weight | 1,839.00 g |

Highlights

- Forward channel up to 1 GHz
- Passive or active return channel 5 MHz - 42 MHz

- Designed using Power Doubling technology, which guarantees levels in the 69dBmV 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

- Switched configurable gain (high/low), and high output level
- Equipped with equalizer, pre-equalizer and gain control
- Intuitive front cover, including adjustments and block diagram
- Output signal LED indicator

Technical specifications

| Bands | | MATV | Return Path |
|--------------------------------------|------------|--------------------------|-------------|
| Frequency range | MHz | 54 ... 1002 | 5 ... 42 |
| Gain | dB | 30 / 40 (select.) | 28 |
| Flatness | dB | ±1.5 | |
| Gain control range | dB | 20 | |
| Slope control range | dB | 20 | - |
| Regulation control range | dB | 10 | |
| Tilt control range | dB | 10 | |
| Noise figure | dB | 8 | 6 |
| Channels (para CSO, CTB & XMOD) | # | 42 | - |
| Output level | 42CH | 52 | - |
| | DIN 45004B | 69 | 58 |
| CTB, CSO, XMOD | dB | -60 | - |
| Impedance | Ohm | 75 | |
| Input/Output Test port level | dB | 20 (±2) | |
| Input/Output Test port return losses | dB | 18 | 12 |
| Operating temperature range | °F | 14 ... 113 | |
| Mains voltage / frequency | V~ | 120 / 230 | |
| | Hz | 50 / 60 | |
| Consumption | mA | 245 @120V~ 156 @230V~ | |
| | W | 15.4 | |
| Protection index | IP | 20 | |