



## DTKom power-doubling line broadband multiband amplifier DOCSIS 3.0, 1 input: Return Ch. + MATV

High-power multiband amplifier for CATV operator distribution. Expanded bandwidth (87 MHz-1006 MHz) makes it compatible with DOCSIS environments.

Equipped with switchable active or passive return channel (5 MHz-65 MHz), which allows its use in CoaxData networks.

<b>Ref.</b>	451203
<b>Logical ref.</b>	HV3040RK28
<b>EAN13</b>	8424450177587

### Packaging info

<b>Box</b>	1 pcs.
------------	--------

### Physical data

<b>Net weight</b>	1,890.00 g
<b>Gross weight</b>	2,150.00 g
<b>Width</b>	280.00 mm
<b>Height</b>	141.00 mm
<b>Depth</b>	50.00 mm
<b>Main product weight</b>	1,830.00 g

### Highlights

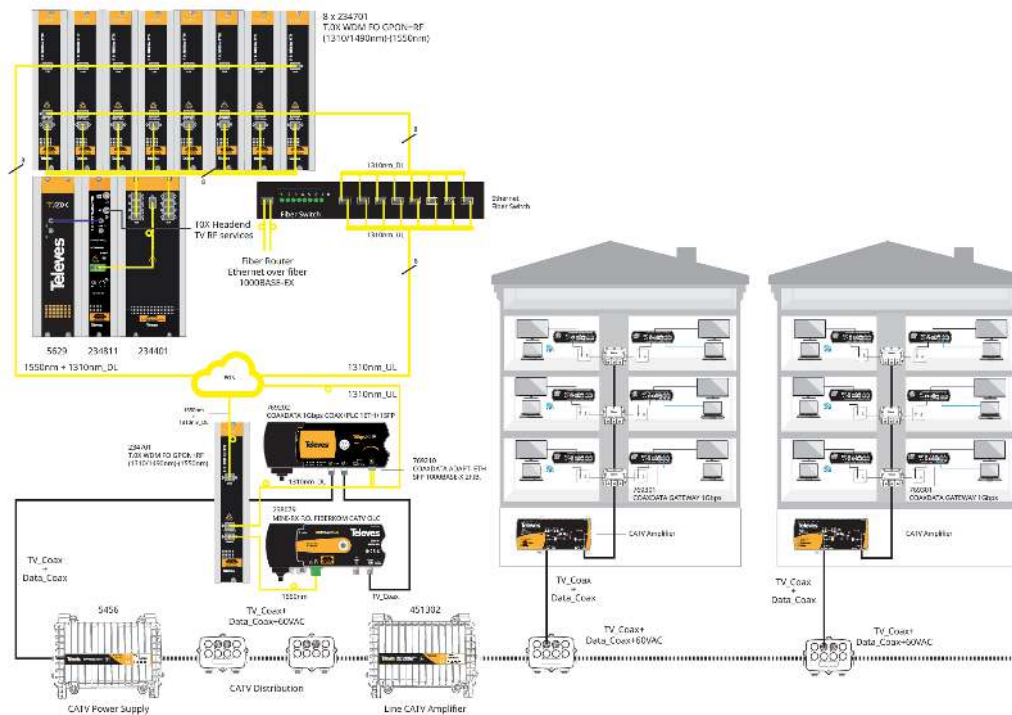
- Forward channel up to 1 Ghz
- Designed using Power Doubling technology, which guarantees levels in the 129 dB $\mu$ V range for terrestrial signals.
- Includes a high-performance low-power consumption switch-mode power supply
- High-screening Zamak chassis The design facilitates appropriate cooling
- 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

## Application example

---

### **CATV Network with CoaxData.**

Data and TV service (Ethernet via Fiber and Video Overlay) comes via fiber to the CoaxData master emplacement. From there, a data and TV coaxial network is established. Launch amplifiers which provide passive return path as Ref. 451302 and 451203, allow the necessary CoaxData duplex system.



## Technical specifications : Ref. 451203

Bands		RET	TERR
Frequency range	MHz	5 ... 65	87 ... 1006
High gain	dB	28	40
Low gain	dB	28	30
Noise figure	dB	6	7
Output level EN50083 IMD3 2tones -35dB	dBmV	--	74
Output level EN50083 IMD3 2tones -60dB	dBmV	--	67
Output level DIN45004B	dBmV	57	70
Output level 42Ch Cenelec	dBmV	--	52
Return losses	dB	12	14
Input attenuator	dB	0 ... 20	0 ... 20
Max. power consumption	W		16
Max. current	mA		235
Input voltage	Vac		99 ... 253
Mains frequency			50 Hz / 60 Hz
Number of inputs			1
Number of outputs			1
Connectors			"F" type
Operating temperature	°F		23 ... 113
Protection index (IP)			20