



DTKom power-doubling line broadband multiband amplifier DOCSIS, 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.

Ref.	451203
Logical ref.	HV3040RK28
EAN13	8424450177587

Packaging info

Box	1 pcs.
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Physical data

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

Highlights

- Forward channel up to 1 GHz
- Passive or active return channel 5 MHz - 65 MHz
- Designed using Power Doubling technology, which guarantees levels in the 129 dB μ 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

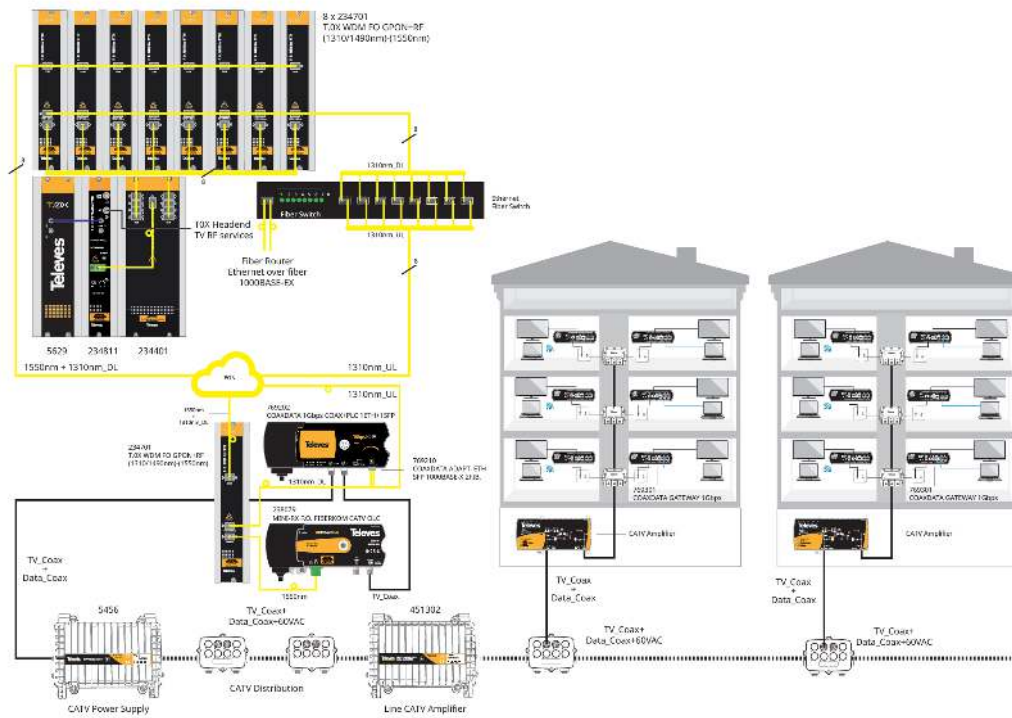
Main features

- 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


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

Bands			MATV	C. Ret.	
Frequency margin		Mhz	87 ... 1006	5 ... 65	
Gain			30 ... 40 (selec.)	28 ... -3	
Max. output level	EN 50083 (IMD3)	dB μ V	2 tones -35dB	132 (72)	121 (61)
	DIN 45004B			129 (69)	118 (58)
	EN 50083 (IMD3)		2 Ch -60dB	126 (66)	115 (55)
	EN 50083 (IMD2)		2Ch -60dB	119 (59)	94(34)
	CTB, CSO, XMOD		D42Ch -60dB	112 (52)	-
Noise figure			8	6	
Return loss input			18	12	
Return loss output			18	12	
Attenuator			0 ... 20	-	
Interstage attenuator		dB	0 ... 20	-	
Equalizer			0 ... 10	0 ... 20	
Interstage equalizer			0 ... 10	-	
MATV Test input			- 20		
MATV Test output			-20		
					
Mains voltage/frequency		V~	99 - 253		
Total AC consumption		mA~ max.	235 @99V~ 115 @196V~		
		W	16		
Protection index		IP	20		
Operating temperature level		°C	-5 ... +45		