



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

Packaging info

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	