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## 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**

**Art.Nr**

**EAN13**

8424450177280

### 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	dBmV	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	