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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

Art.Nr	HV3040RK28
EAN13	8424450177587

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 dBμV 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	C. Ret.
Frequency margin		Mhz		87 ... 1006	5 ... 65
Gain		dB		30 ... 40 (selec.)	28 ... -3
Max. output level	EN 50083 (IMD3)	dBµV	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		dB		8	6
Return loss input				18	12
Return loss output				18	12
Attenuator				0 ... 20	-
Interstage attenuator				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	