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## DTKom power-doubling dual-line broadband multiband amplifier 2 inputs: Return Ch./VHF/UHF/SAT1-SAT2

Very high power 2-input/2-output double line multiband amplifier for SMATV/CATV systems. One of the inputs covers the following bands: Return channel, VHF/UHF and SAT; the other allows the input of a second SAT. Each of the two outputs provides one of the satellites and the terrestrial bands + Return Ch. (5 MHz-65 MHz).

**Ref.5337**

**Art.Nr**

**EAN13**

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### Highlights

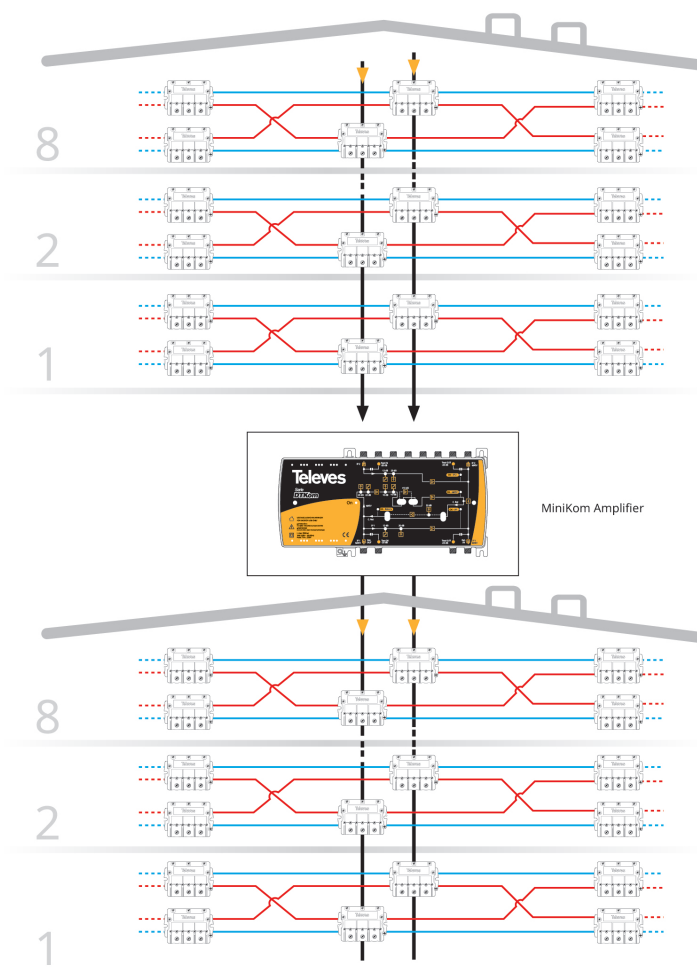
- Separate amplification minimizes intermodulation between bands and provides high output levels
- Designed using Power Doubling technology, which guarantees levels in the 129 dBμV range for terrestrial signals.
- Independent inputs for each satellite downlink (SAT)
- Extracts MATV from one of the inputs and provides it on both outputs
- SAT attenuation and equalization control on each input
- MATV attenuation and equalization control.
- Includes a high-performance low-power consumption switch-mode power supply
- High-screening Zamak chassis The design facilitates appropriate cooling

### Main features

- Pre-equalization and equalization stages
- Configurable gain for terrestrial band and return channel using two switches (high/low)
- Intuitive front cover, including adjustments and block diagram
- Output signal LED indicator

## Application example

(Click to see the picture)



## Technical specifications

Bands				MATV	C. Ret. / Ret. Path	SAT1/SAT2
Frequency margin		Mhz		87 ... 862	5 ... 65	950 - 2150
Gain		dB		30 □40 (selec.)	28 □ -5	40
Max.output level	DIN 45004B	dBμV		123	118	-
	EN 50083 (IMD3)		2 Ch -60dB	120	115	120 (2Ch-35dB)
	(IMD2)		2 Ch -60dB	109	91	115 (2Ch - 35 dB)
	CTB, CSO, XMOD		D42Ch -60dB	107	-	-
Noise figure		dB		8	10	12
Return loss input				12	12	10
Attenuator				0 ... 20		0 - 20
Interstage attenuator				0 ... 10		
Equalizer				0 ... 20	0 ... 20	0 - 12
Interstage equalizer				0 ... 10		
Input test MATV					- 20	
Output test MATV					-20	
Mains voltage		V~			196-253	
Total AC consumption		mA~ max.			200	
		W			23	
Protection Level		IP			20	
Temperature operat. limits		°C			-5 ... +45	