



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
EAN13	8424450128817

Packaging info

Box	1 pcs.
Bucket	17 pcs.

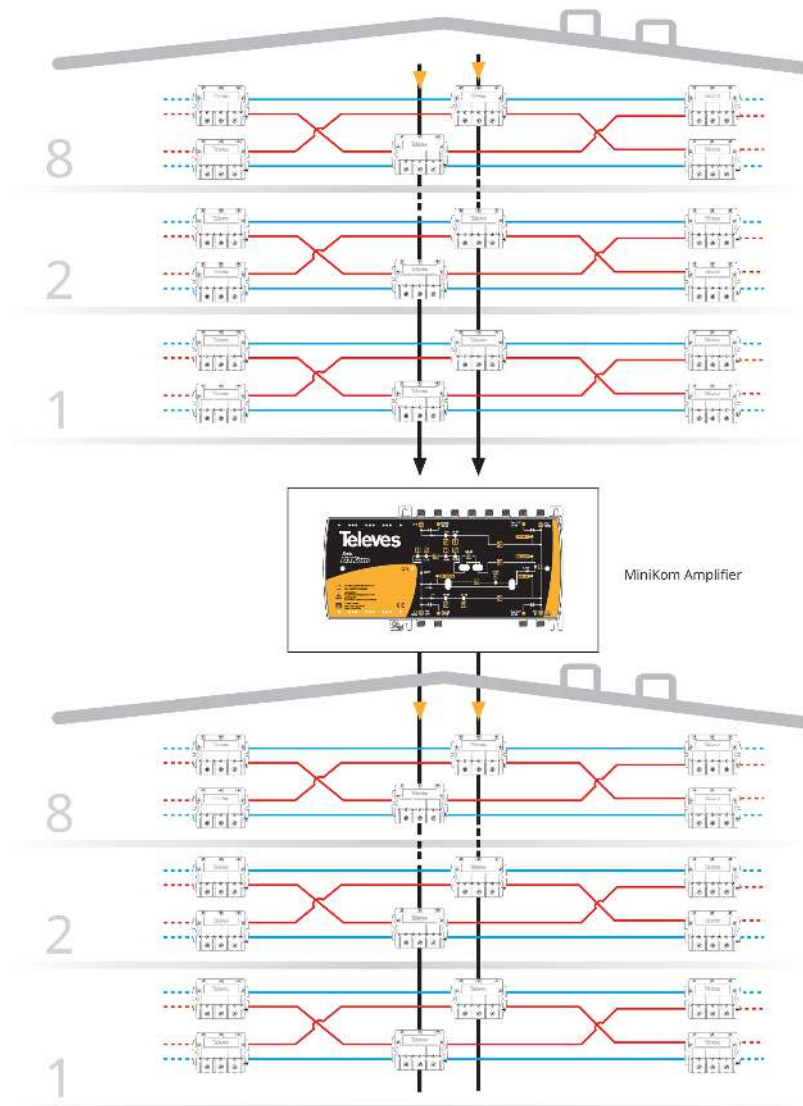
Physical data

Net weight	2,148.00 g
Gross weight	2,450.00 g
Width	280.00 mm
Height	141.00 mm
Depth	50.00 mm
Main product weight	2,148.00 g

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
- 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



Technical specifications : Ref. 5337

Bands		RET	TERR	SAT
Frequency range	MHz	5 ... 65	87 ... 862	950 ... 2150
High gain	dB	27	40	42
Low gain	dB	-5	30	42
Noise figure	dB	9	7	10
Output level EN50083 IMD2 2tones -60dB	dBmV	43	59	--
Output level EN50083 IMD3 2tones -35dB	dBmV	--	--	64
Output level EN50083 IMD3 2tones -60dB	dBmV	54	62	--
Output level DIN45004B	dBmV	-43	65	--
Output level 42Ch Cenelec	dBmV	--	47	--
Return losses	dB	12	12	--
Equalizer	dB	0 ... 20	0 ... 20	0 ... 15
Interstage equalizer	dB	--	0 ... 10	--
Input attenuator	dB	--	0 ... 20	0 ... 20
Input attenuator	dB		0 ... 20	
Max. power consumption	W		19.5	
Current consumption	mA		200	
Input voltage	Vac		110 ... 230	
Mains frequency			50 Hz / 60 Hz	
Number of inputs			2	
Number of outputs			1	
Connectors			"F" type	
Operating temperature	°F		23 ... 113	
Protection index (IP)			20	