



MicroKom line multiband amplifier (1 GHz - Gain: 20 dB/25 dB) Active/passive return channel: 5-65 MHz

Class-4 line multiband amplifier, designed for the distribution of multimedia services in small or medium-size buildings. Characterized by providing plug-in jumpers in both the forward and return channels for adjustments.

The forward channel's gain is 20 dB/25 dB; the return channel may either be passive or active (20 dB).

The forward channel, up to 1220 MHz, makes it compatible with DOCSIS 3.1.

Ref.	534212
Logical ref.	KVE2025RK65
EAN13	8424450269732

Packaging info

Box	1 pcs.
------------	--------

Physical data

Net weight	492.00 g
Gross weight	568.00 g
Width	185.00 mm
Height	80.00 mm
Depth	35.00 mm
Main product weight	492.00 g

Highlights

- Configurable gain on both the forward and the return channels
- Attenuation and equalization adjustments on both the forward and the return channels
- Integrated high-efficiency low-power consumption switch-mode power supply

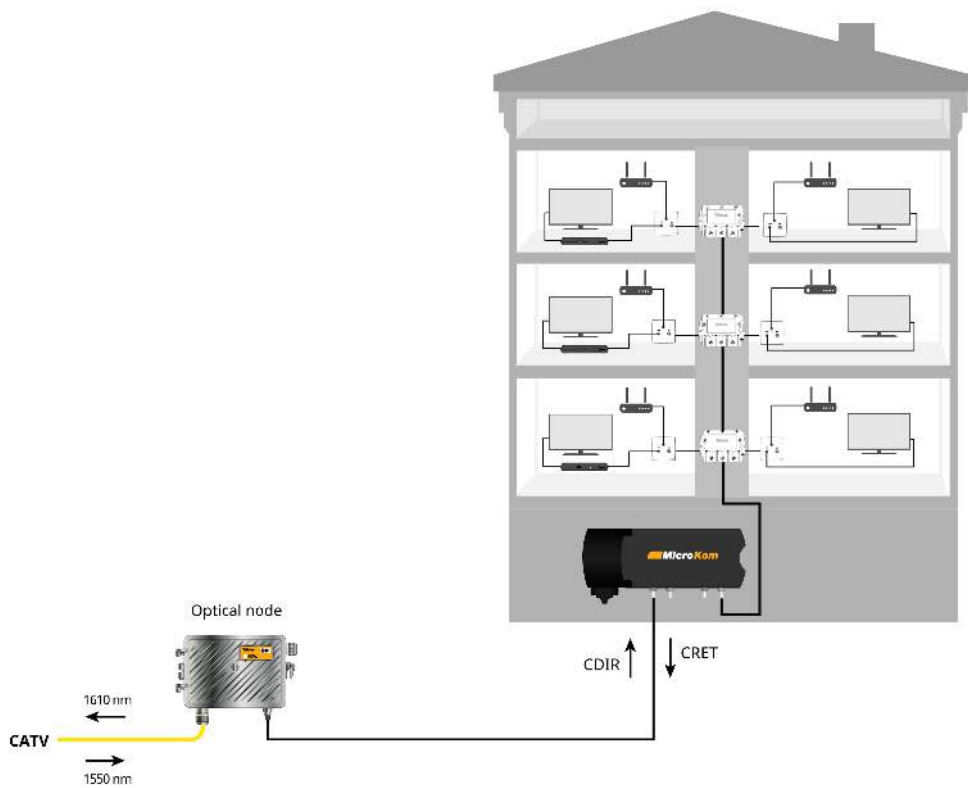
Main features

- High output power
- Test input and output (-20 dB)
- High-screening Zamak chassis

Application example

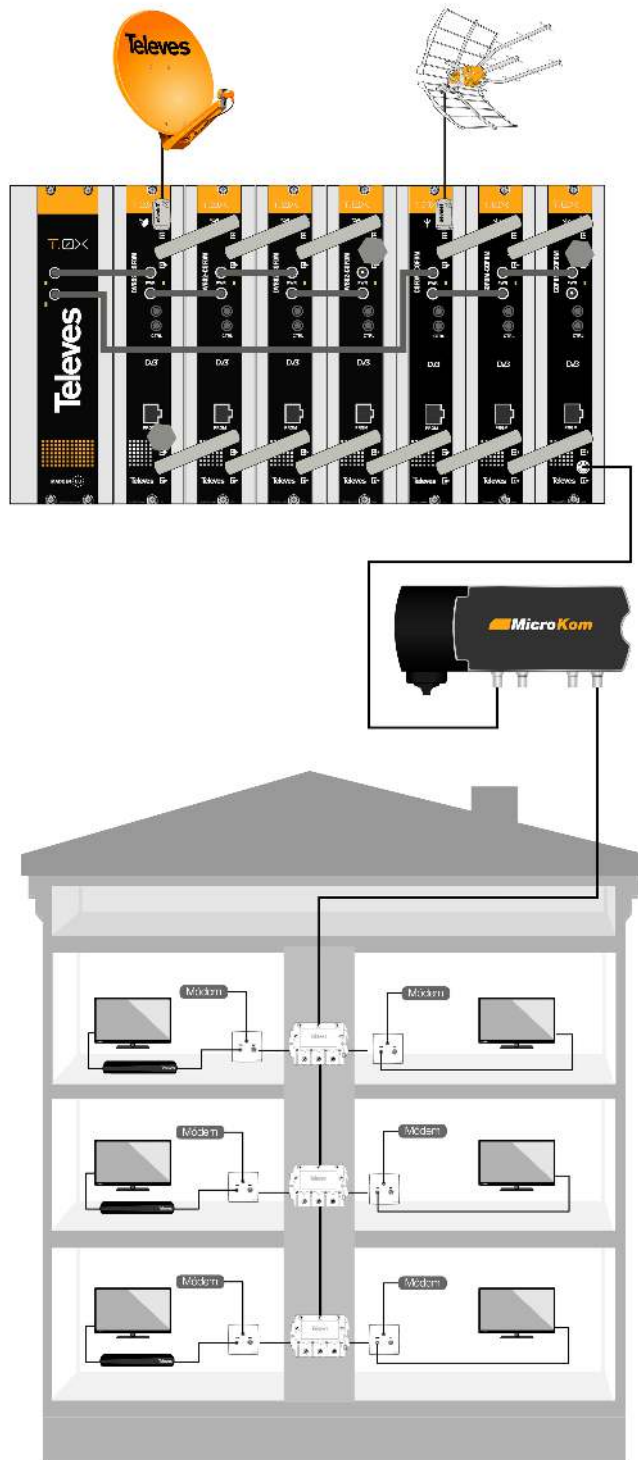
HFC Docsis.

The Microkom multiband amplifier distributes the TV signal to the users while allowing the return signal to reach the optical node, which plays the role of media converter between the optical backbone and the coaxial networks.



Distribution amplifier.

The Microkom multiband amplifier plays the role of headend amplifier for the distribution of TV services



Technical specifications : Ref. 534212

Bands		RET		TERR
Frequency range	MHz	5 ... 65		85 ... 1220
Gain	dB	--		20 ... 25
Nominal value desviation	dB	-1 ... 1		-1 ... 1
Flatness	dB	-1 ... 1		-1.5 ... 1.5
Input attenuator	dB	0 ... 18		0 ... 18
Input equalizer	dB	--		0 ... 18
Interstage attenuator	dB	--		0 ... 5
Interstage equalizer	dB	0 ... 6		0 ... 6
Noise figure	dB	< 6		6
Output level DIN45004B	dB μ V	118		124
Output level 64QAM 4TP	dBmV	115		--
CSO	dB	--		105
CTB	dB	--		105
Return losses	dB	> 12		> 12
Test point	dB	-20		-20
Max. power consumption	W		5.3	
Current consumption	mA		95	
Input voltage	Vac		110 ... 230	
Mains frequency			50 Hz / 60 Hz	
Electrostatic discharges protection	kV		8	
Protection Class IEC			Class II	
Protection index (IP)			20	
Connectors			"F" female	
Operating temperature	°C		-10 ... 45	

The input attenuator and equalizer are configurable in fixed 2dB steps.