



MicroKom line multiband amplifier (1 GHz - Gain: 30 dB/35 dB) Active/passive return channel: 5-42 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 the return channels.

The forward channel's gain is 30 dB/35 dB; the return channel may be either passive or active (28 dB).

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

Ref.	534482
EAN13	8424450269756

Other features

Plug type	US plug
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Packaging info

Box	1 pcs.
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Physical data

Net weight	489.00 g
Gross volume	0.90 dm ³
Gross weight	568.00 g

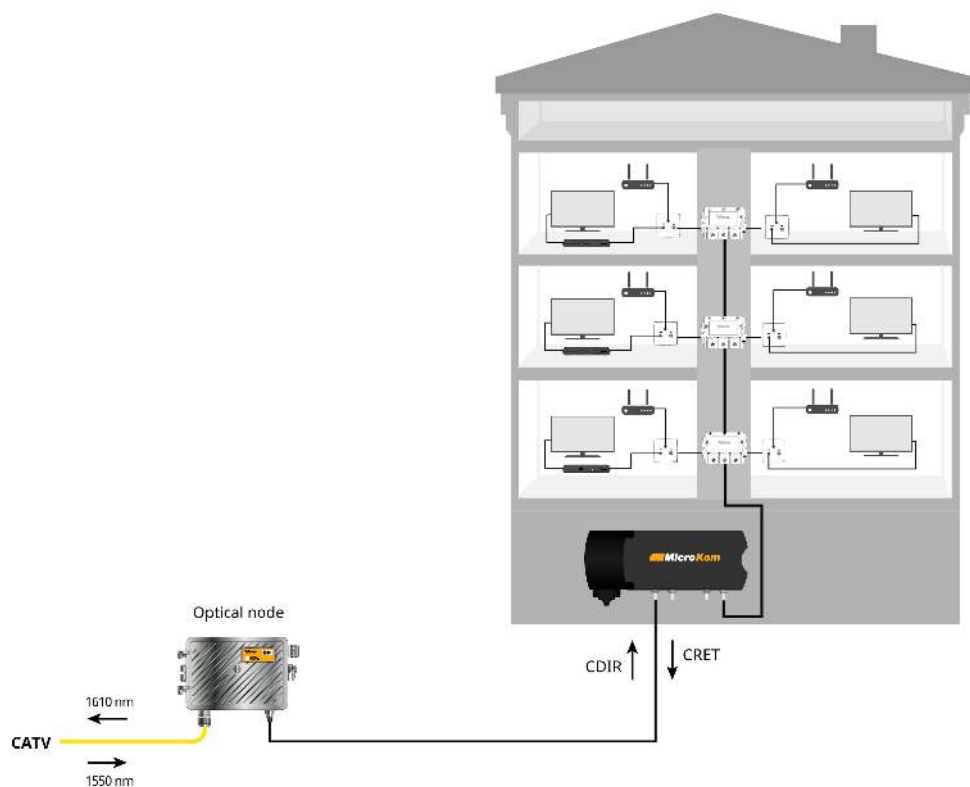
Highlights

- Configurable gain on both the forward and the return channels
- Attenuation and equalization adjustments on both the forward and the return channels
- High output power
- Test input and output (-20 dB)
- High-screening Zamak chassis
- Integrated high-efficiency low-power consumption switch-mode power supply

Application example

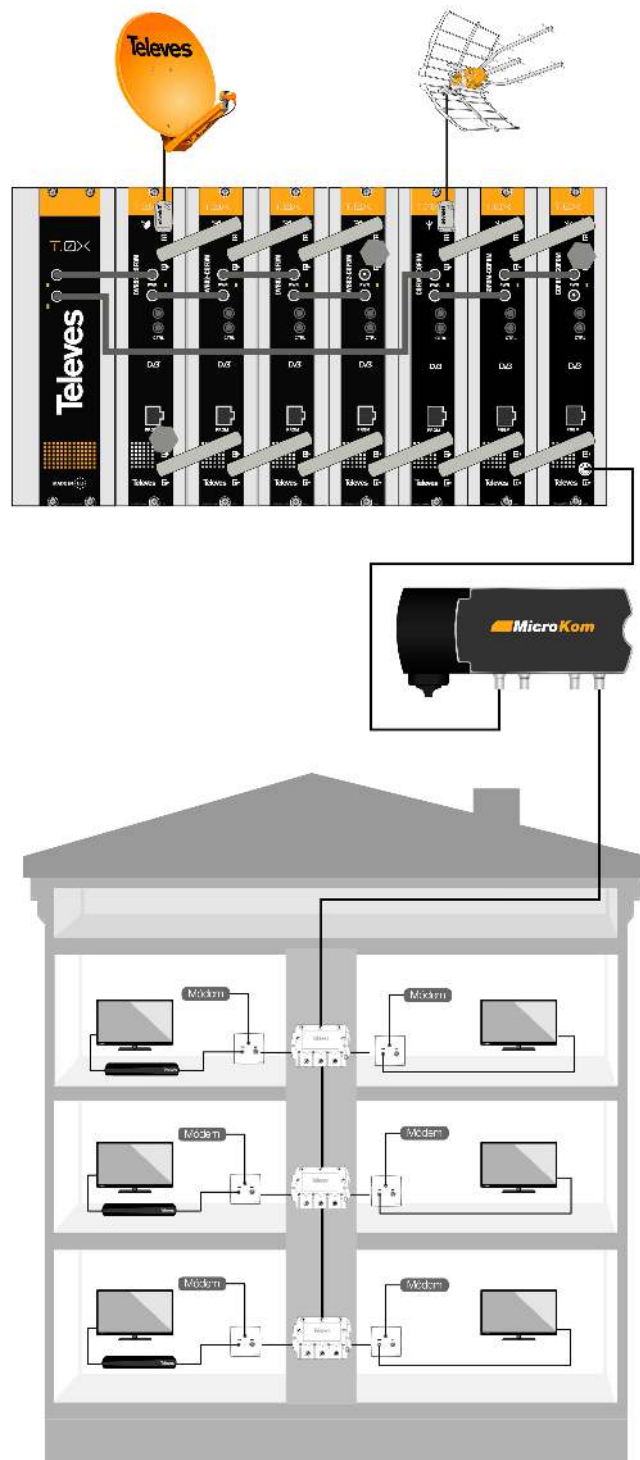
HFC Docsis.

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

Forward path			
Frequency range		MHz	54 ... 1220
Gain		dB	35
Nominal value deviation			± 1
Linearity			± 1.5
Input attenuator (2dB steps)			0 ... 18
Interstage attenuator			0/5
Input equalizer (2dB steps)			0 ... 18
Interstage equalizer			0/6
Noise figure			< 7.5
Output level	CSO > 60dB		dBmV
	CTB > 60dB	45	
Return losses		dB	> 12
Test socket			-20
Return path			
Frequency range		MHz	5 ... 42
Gain		dB	28/-1
Nominal value deviation			± 1
Linearity			± 1
Input attenuator (2dB steps)			0 ... 18
Interstage equalizer			0/3/6
Noise figure			< 6
Output level	64QAM 4TP	dBmV	55 (BER: 1.0 e-8)
Return losses		dB	>12
Test socket			-20
General			
Power consumption		W	6,6
		mA	107
Mains Interstage equalizer/Mains frequency		Vac/Hz	110 - 230 / 50-60
Operating temperature		°F	14 ... 113
Electrostatic discharges protection (EN61000-4-2)		kV	8
Protection class		class	II isolation
Protection index		IP	20