



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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Packing

Box	1 pcs.
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Physical data

Net weight	489.00 g
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
- Integrated high-efficiency low-power consumption switch-mode power supply

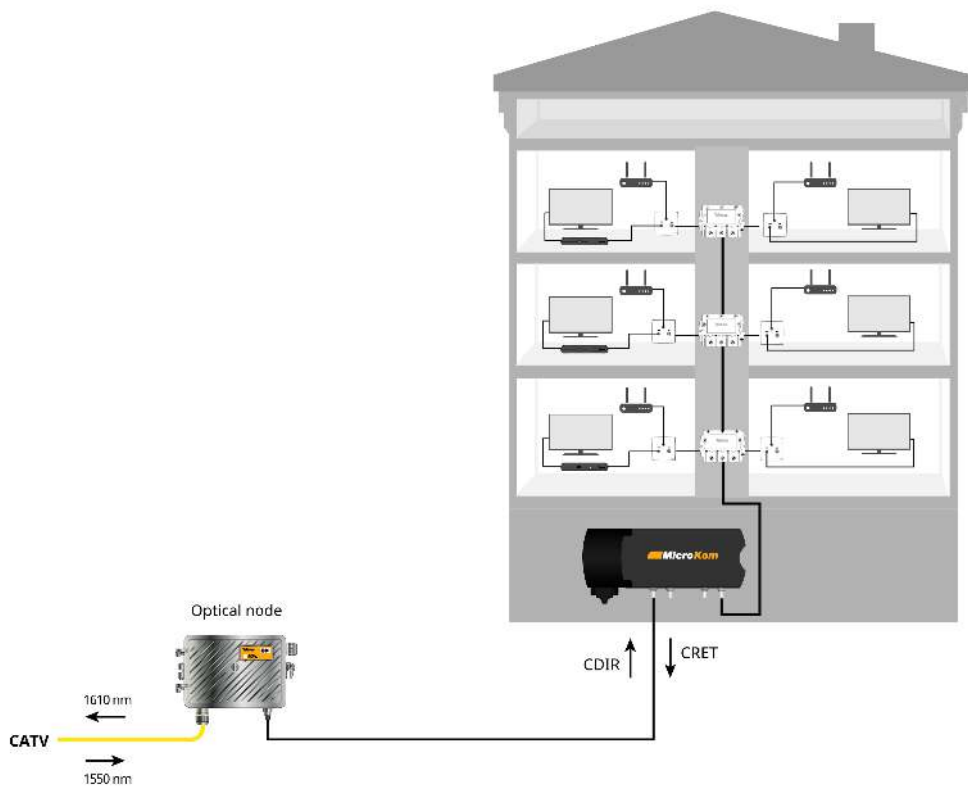
Main features

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

Application example

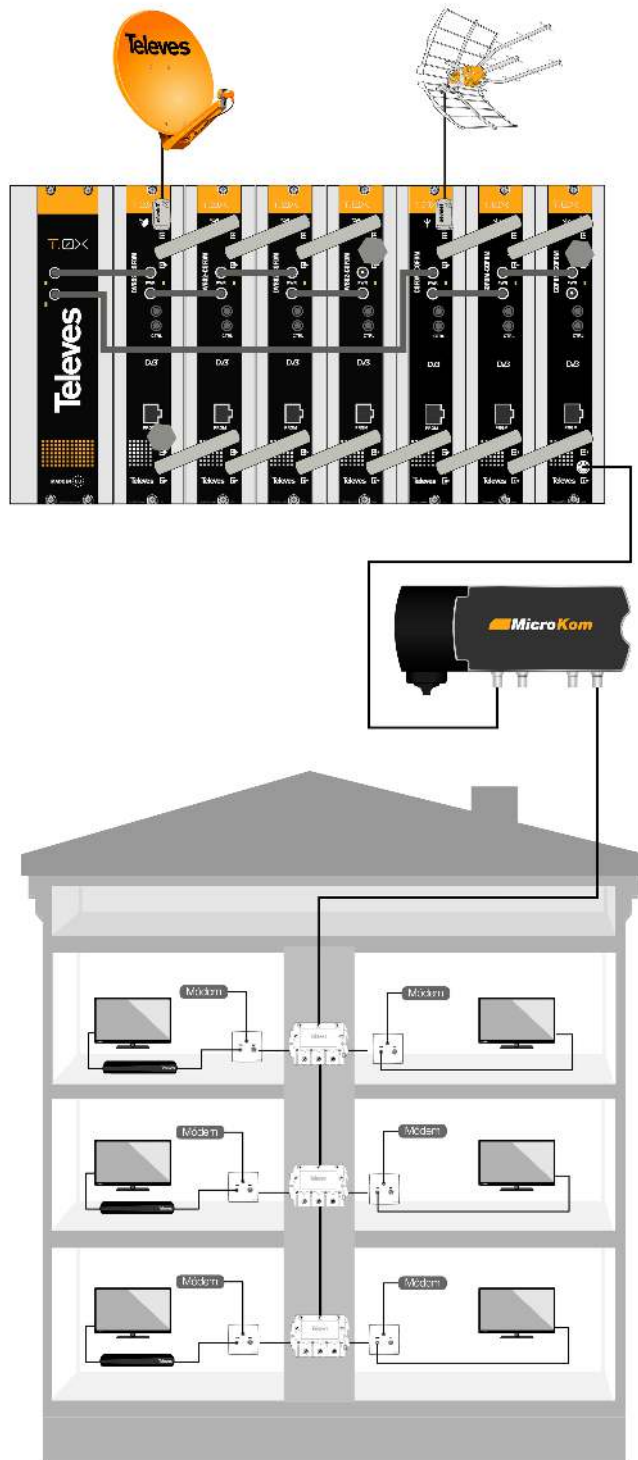
HFC Docsis.

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

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		dBmV
	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	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