



Televes reserves the right to modify the product

MicroKom line multiband amplifier (1 GHz - Gain: 30 dB/35 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 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.534412

Art.Nr	KVE3035RK65
EAN13	8424450269749

Highlights

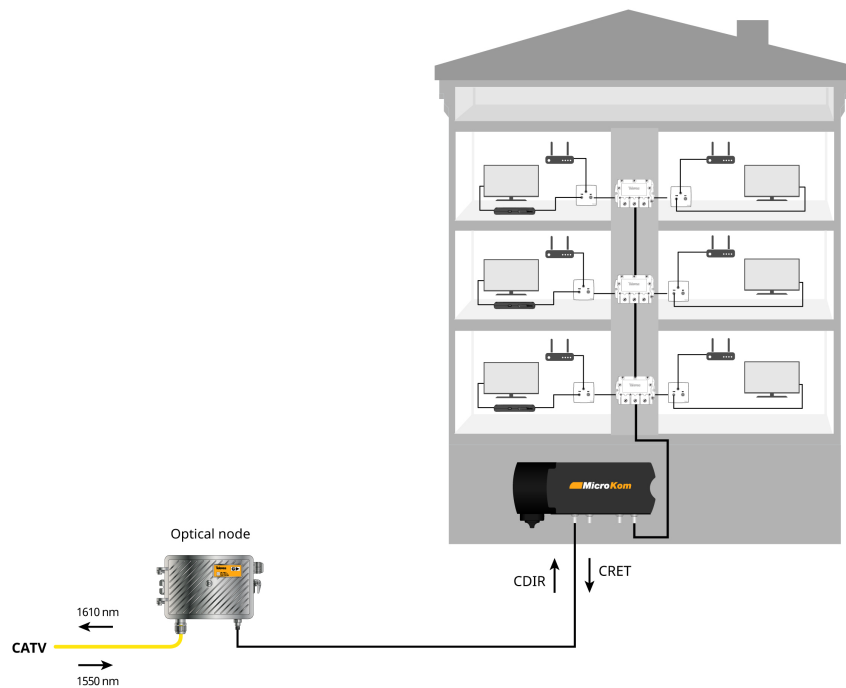
- Configurable gain on both the forward and the return channels
- Attenuation and equalization adjustments on both the forward and the return channels
- Integrated high-efficiency low-power consumption switch-mode power supply

Main features

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

Application example

(Click to see the picture)



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.

Technical specifications

Forward path			
Frequency range		MHz	85...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
Output level	DIN 45004B	dBμV	124
	NCSO (42 Channels) 60dB		105
	CTB (42 Channels) 60dB		105
Return losses		dB	>12
Test socket			-20
Return path			
Frequency range		MHz	5 ... 65
Gain active/passive		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	DIN 45004B	dBμV	118
	64QAM 4TP (In compliance with KBW standard)		115 (1.0e-8)
Return losses		dB	>12
Test socket			-20
General			
Power consumption		W	6,7
Max. total consumption		mA	115
Mains voltage		Vac/Hz	110 - 230 / 50-60
Operating temperature		°C	-10 ... + 45
Electrostatic discharges protection (EN61000-4-2)		kV	8
Protection class		class	II isolation
Protection index		IP	20
RF Connectors		type	F-female