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DTKom power-doubling line broadband multiband amplifier, controllable 1 input: Return Ch. + MATV

High-power multiband amplifier for CATV operator distribution. Its expanded bandwidth (49 MHz-1002 MHz) offers an user selectable gain of 30/40dB.

Equipped with switchable return channel (5 Mhz-36 MHz), which has a return gain of 28dB when active mode is selected.

The unit can be controlled local or remotely, allowing the technician to test, to modify and to save unit parameters:

- Via local, with the RJ45 front connector, using the Televes universal programmer Ref. 7234.
- Via remote, according to B_LAN standards by commands via distribution cable

Ref.451282

Art.Nr

EAN13

8424450201879

Highlights

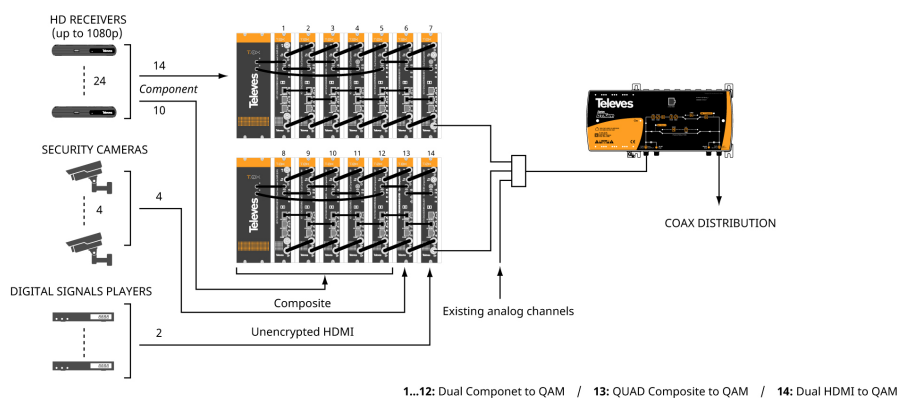
- RJ45 front connection for easy access in local mode to parameter modification, using the universal programmer ref. 7234
- Forward channel up to 1 Ghz
- Passive or active return channel 5 MHz – 36 Mhz
- Designed using Power Doubling technology, which guarantees levels in the 69dBmV range for terrestrial signals.
- Includes a high-performance low-power consumption switch-mode power supply
- High-screening Zamak chassis. The design facilitates appropriate cooling

Main features

- Switched configurable gain (high/low), and high output level
- Equipped with equalizer, pre-equalizer and gain control
- Intuitive front cover, including adjustments and block diagram
- Output signal LED indicator

Application example

(Click to see the picture)



Technical specifications

Bands			MATV	Return Path
Frequency range		MHz	49 ... 1002	5 ... 36
Gain		dB	30 / 40 (selectable)	-3 / 28 (selectable)
Flatness		dB	±1.5	
Gain control range		dB	18	
Slope control range		dB	18	-
Regulation control range		dB	10	
Tilt control range		dB	10	
Noise figure		dB	8	6
Output level	42CH	dBmV	52	-
	DIN 45004B		69	56
CTB, CSO, XMOD		dB	-60	-
Impedance		Ohm	75	
Input/Output Test port level		dB	20 (±2)	
Input/Output Test port return losses		dB	14	12
Operating temperature range		°F	14 ... 113	
Mains voltage / frequency		V~	120 / 230	
		Hz	50 / 60	
Consumption		mA	255 @120V~ 150 @230V~	
		W	15.4	
Protection index		IP	20	