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## DTKom broadband multiband amplifier 5 inputs: FM-III-21..32-36..48-UHF - LTE700 Ready

High-power multiband amplifier with multiple controls on the front end, which design uses components that minimize the total noise figure. Equipped with 5 inputs (FM-III-21...32-36...48-UHF). The UHF band is divided in 2 of the inputs, which is useful in two-repeater reception installations since it allows an appropriate filtering of the channels for each of them.

Equipped with LTE700 Ready filtering.  
RED compliant

**Ref.534121**

**Art.Nr**

**EAN13**

8424450214565

### Highlights

- Separate amplification minimizes intermodulation between bands and provides high output levels
- Designed using Push-Pull technology, which guarantees levels in the 123 dBμV 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

- Switch for pre-amplifier or BOSS system powering
- Switched configurable gain (high/low), and high output level
- Intuitive front cover, including adjustments and block diagram
- Output signal LED indicator

## Technical specifications

Bands			UHF	BV	BIV	BIII	FM
Frequency margin		MHz	470 ... 694	590 ... 694 (Ch36...48)	470 ... 566 (Ch21...32)	174 ... 370	88 ... 108
Gain	0	dB	42	41 <sup>(1)</sup>	41 <sup>(2)</sup>	42	25
	10		32	31 <sup>(1)</sup>	31 <sup>(2)</sup>	32	25
Gain margin			(Manual) 0 ... 20	(Manual) 0 ... 20	(Manual) 0 ... 20	(Manual) 0 ... 20	(Manual) 0 ... 20
Max. output level	IMD3 (2 tones,-35 dB)	dBμV (dBmV)	125 (65)				
	DIN 45004B		123 (63)				
	IMD3 (2 tones,-60 dB)		120 (60)				
	IMD2 (2 tones,-60 dB)		-	-	-	122 (62)	-
Noise figure		dB	10	10	10	5	6
Test			-20				
Powering inputs			V=	12			
Max. curent inputs		mA	50				
Mains voltage /frequency		V~ / Hz	120 ... 230 / 50-60				
Total AC consumption	OFF	W / mA	5,8 / 120				
	ON	W / mA	9,6 / 180				
Protection level		IP	20				
Operating temperature range		°C (°F)	-5 ... +45 (23 ... 113)				