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DTKom broadband multiband amplifier

5 inputs: FM-III-21..36-38..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...36-38...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 filtering.
RED compliant

Ref.534120

Art.Nr

EAN13

8424450214558

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	606 ... 694 (Ch38...48)	470 ... 598 (Ch21...36)	174 ... 370	88 ... 108
Gain	0	dB	42	41 ⁽¹⁾	41 ⁽²⁾	42	25
	10		32	31 ⁽¹⁾	31 ⁽²⁾	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)				

(1) G(Ch38)=37/27dB

(2) G(Ch36)=38/28dB