

connecting the future



TMB 100 - Prog. Multiband AMP. - 5 input - TER

Article number: 360223

Product description:

Programmable multiband Amplifier TMB 100

Interconnecting and amplifying selectively up to 5 different positioned TV antennas

This multi-band amplifier is ideal for interconnecting and amplifying of several aerial antennas in MATV plants. The amplifier uses the frequency-selective filtering and level matching of UHF channels. They are selectively combined with the VHF bands

- Easy programming directly via keypad at the amplifier, shown at the display
- Very flexible with selective UHF filters, adjusting with bandwidth 1-7 channels (8-56 MHz)
- Every UHF filter has separate adjustments like amplification and mid frequency
- The activable AGC provides a constant for UHF and VHF Output level und stable operating conditions
- Export or import of all device settings via RS 232 interface
- Switchable short-circuit-protected remote feeding for UHF pre-amplifiers

The TMB 100 series consists of:

- TMB 100 - TER (BI-FM, BIII-DAB, 3x UHF) 10x UHF filters
- TMB 100S - TER + SAT (BI-FM, BIII-DAB, 3x UHF, SAT) 10x UHF filters
- TMB 100V - TER (BI-FM, VHF, 3x UHF) 4x VHF filters + 6x UHF filters

Specifications

ORDER INFORMATION	
EAN Number	5702663602236
CHARACTERISTICS	
Type	Amplifier - multiband
Input level - FM	< 90 dB μ V
Input level - BIII/DAB	< 80 dB μ V
Input level - UHF	< 95 dB μ V
Output level BIII/DAB - 170-230 MHz	120 dB μ V
Output level @ 60dB IMD - UHF	117 dB μ V
FREQUENCY	
Bandwidth UHF	8-56 MHz
Bandwidth VHF	7 MHz
Frequency range BI/FM	47...108 MHz
Frequency range BIII/DAB	174...240 MHz
Frequency range UHF	470...862 (LTE on: 790) MHz
Filter Bandwidth UHF	8...56 (1...7ch) MHz
Filter Bandwidth VHF	7 (1ch) MHz
Filter Selectivity @ 16 MHz	16 dB
Number of channel filters	10
GAIN	
Gain - FM [47-108 MHz]	32 dB
Gain - DAB [170-230 MHz]	48 dB
Gain - UHF	55 dB

Noise figure BI/FM	9 dB
Noise figure UHF	7 dB
Noise figure VHF	5 dB
LOSS	
Attenuation	0...20 dB
RETURN LOSS	
Return Loss	>8 dB
ELECTRICAL	
Impedance	75 Ω
OPERATIONAL	
Remote Supply UHF1	12 - 24 / 80 V/mA
Remote Supply UHF2	12 - 24 / 80 V/mA
Remote Supply UHF3	12 - 24 / 80 V/mA
Input with Remote Supply	UHF 1, 2 ,3
AC Supply voltage	100...240 VAC
Power Consumption (typ.)	9...16 W
Remote Supply	12...24 / 80 V/mA
LINE power current (max.)	80 mA
LINE power DC voltage (max.)	12/24 VDC
Screening Efficiency	EN50083-2 (Class A)
Temperature - operating	-5...40 °C
CONNECTORS	
Connector Type	F-female
Connector IN	F-female
Connector OUT	F-female
Number of inputs	5
Number of outputs	1
MECHANICAL	
Product Depth	360 mm
Product Width	225 mm

Product Height	50 mm
Dimensions product (H x D x W)	220x220x50 mm
Packing QTY	1
Net Weight	1,667 kg
Total Weight	1,667 kg
