



## T12 single-channel amplifier FM/DAB: 88...108/174..230MHz

Modular amplifier allowing received DAB and FM signals independent adjustment. Both signals are Z-mixed at their output, for compatibility with the other modules of the range. Perfect format for headend mounting, with additional T12-series amplifiers.

RED compliant

<b>Ref.</b>	509012
<b>Logical ref.</b>	T12FM38DAB48
<b>EAN13</b>	8424450238042

### Packaging info

<b>Box</b>	1 pcs.
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### Physical data

<b>Net weight</b>	600.00 g
<b>Gross weight</b>	674.00 g
<b>Width</b>	33.00 mm
<b>Height</b>	198.00 mm
<b>Depth</b>	103.00 mm
<b>Main product weight</b>	600.00 g

### Highlights

- Modular system that eases extension, custom configuration, and amplifier replacement

- Very high gain (adjustable)

## Main features

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- Mounting on DIN rail, case or rack
- Provided with all the elements required for commissioning (jumpers, power supply patch cords, etc.)

## Discover

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### **T12 series: Single-channel amplification**

The evolution of single-channel amplification results in the advanced T12 product line. This series brings together the experience gained by Televes ever since the introduction of its first single-channel module with Z connection system in the market, back in 1981. The result is an end product that provides an unbeatable performance in terms of signal processing, with precise and simple frequency settings.

T.12 modules are manufactured in new generation automated lines, and undergo the most stringent quality controls, a guarantee of unprecedented reliability and stability. Designed for adaptation, the T12 series is always the most flexible solution for the relocations entailed by the digital dividend: a product with the LTE-Ready seal.

### **T12 series features**

- Full compatibility with the previous T03 model and its power supply
- Highly reliable, thanks to its fully automated manufacturing
- Significant enhancement of the shielding design, with a Zamak chassis
- Power supply of up to 24 modules, thanks to a power supply the size of one module
- Remote powering of pre-amplifiers or BOSS system by means of a switch

## Technical specifications : Ref. 509012

Bands		FM	DAB
Frequency range	MHz	87.5 ... 108	174 ... 230
Gain	dB	40	48
Gain adjustment range	dB	0 ... 35	0 ... 35
Output level EN50083	dBµV	120	113
Powering per inputs	Vdc		24
Max current input	mA		100
Powering	Vdc		24
Max. current	mA		220
Flatness	dB		< 3
2 adjacent channels rejection	dB		> 20
Protection index (IP)			20
Operating temperature	°C		-5 ... 45