

NP100

100 products in 18 months



T.12 SINGLE CHANNEL AMPLIFIER

REF. 508012, 508112, 508212, 508312, 508612, 508712, 508812, 508912, 509812, 509912 and 549812.



Televes launches the new single channel amplifiers T.12, an advanced evolution of this product line which reflects the experience accumulated since 1981 when it launched its first single-channel amplifier unit in the market with "Z" connection system (input and output loop-through).

With these single-channel amplifiers T.12, Televes has achieved a product that provides an excellent performance in signal processing, featuring a frequency tuning as simple as precise.

T.12 modules are manufactured using the latest generation robotised lines, and are subject to the most stringent quality control: a guarantee of reliability and unprecedented stability.

Prepared to adapt to the emerging digital dividend relocation, this product bears the Televes mark LTE Ready.

Televes has placed all his experience and good work in these T.12 modules, the new benchmark in single channel amplifiers on the market.

- Full **compatibility** with the previous **T.03** model, as well as its power supply unit.
- **High reliability** thanks to its fully robotised manufacturing.
- Significant improvements in the design of its **shielding**.
- **Modular and expandable**.
- The PSU of the T.12 system can **power up to 24 modules**.
- It allows **powering preamplifiers** through its **input coaxial cable**.

REF	DESCRIPTION	
508012	Broadband amplifier T.12	FI
508112	Single-channel amplifier T.12	BI
508212	Single-channel amplifier T.12	FM
509912	Single-channel amplifier T.12	DAB
508312	Single-channel amplifier T.12	BIII
508712	Single-channel amplifier T.12	BS Low
508812	Single-channel amplifier T.12	BS High
508912	Single-channel amplifier T.12	Hyperb.
509812	Selective single-channel amplifier	UHF
508612	Multi-channel amplifier UHF	UHF
549812	T.12 system switched-mode PSU	

T.12 SINGLE CHANNEL AMPLIFIER

THE SINGLE-CHANNEL AMPLIFIER READY FOR LTE

TECHNICAL SPECIFICATIONS

Ref.			508112	508212	508312	508712	509912	508812	508912	508612	509812	508012	
	f_w	MHz	47-88	87.5-108	174-230	104-174	195-232	230-300	302-470	470 - 862		950-2150	
	BW	MHz	7	-	7	7	37	7	8	8*56	8	950-2150	
	G		50	35	45	58	45	58	58	50	55	35*5	
	EQ		35	35	35	35	35	35	35	30	30	20	
	V_{out}	$\frac{dB\mu V}{A}$	123*	114*	123*	125*	-	124*	125*	125* 111*	125*	124*	
	I	$\frac{A}{D}$	-	-	-	-	114***	-	-	118* 102*	118*	-	
	I	mA	100										400
	V	V _{dc}	24										13/17
	kHz		-					-					0/22
I_c	mA	70					95					130	
	P	dB	≤1	<3	<3	<1	<3	<1	<1	<3	<2	-	
	R_{n+1}		-	-	-	-	-	-	-	>3	>18	-	
	R_{n+2}	dB	>40	-	>30	>30	>20	>25	>30	>15	>50	-	
	R_{n+3}		-	-	-	-	-	-	-	>20	-	-	
Noise figure		NF	dB								<9	<11	<12.5
(*): EN 50083-5; (**): DIN VDE0855/12; (***) di = 50dB (2ch, 4MHz)													

WIRING MAP EXAMPLES

