

► EXTENSION AMPLIFIERS

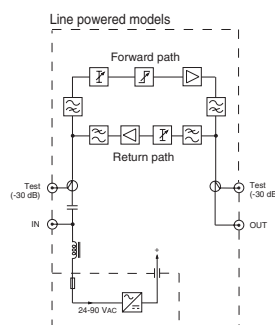
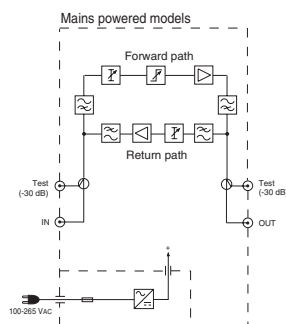
«TAE-500» — Active Return Path, 862 MHz Amplifiers

CE

- Distribution of television, sound and interactive multimedia signals.
- Ideal for hotels and dense multiple dwelling units.
- Forward path extends to 862 MHz. Active return path. Three available splits: 30/47 MHz, 42/54 MHz or 66/86 MHz.
- Output level: 124 dB μ V (DIN-B). Power Doubling technology.
- Continuous attenuation and equalization adjustments.
- Mains or line powering, 50/60 Hz. Electrical safety protection level: Class II. Switch-mode power supply.
- External 75 Ω output test F ports —forward and reverse.
- Injection-moulded zinc alloy housing. Access to the adjustment elements through an easy-to-open frontal panel. F type connection. Wall-fixing. Outdoor mounting for the remote powered models (weatherproofing IP55 grade).
- Grounding terminal.


TAE-586

Block diagrams



Model		TAE-581	TAE-582	TAE-583	TAE-586	TAE-587	TAE-588
Reference		3201	3202	3207	3203	3204	3208
Powering mode		Mains	Mains	Mains	Line	Line	Line
Bandwidth - Forward way	MHz	47 - 862	54 - 862	86 - 862	47 - 862	54 - 862	86 - 862
Bandwidth - Reverse way	MHz	5 - 30	5 - 42	5 - 66	5 - 30	5 - 42	5 - 66
Forward way	Response flatness	dB	± 0.75		± 0.75		
	Nominal gain	dB	35		35		
	Input variable attenuator	dB	0 - 18		0 - 18		
	Slope control range	dB	0 - 18		0 - 18		
	Noise figure	dB	≤ 7.5		≤ 7.5		
	Output level (-60 dB, DIN 45004B)	dB μ V	124		124		
	Output level (-60 dB IMD2, EN 50083-3)	dB μ V	115		115		
	Output level (-60 dB CTB 42 ch, EN)	dB μ V	110		110		
	Output level (-60 dB CSO 42 ch, EN)	dB μ V	114		114		
	Output test	dB	-30		-30		
Reverse way	Gain	dB	25.5		25.5		
	Input variable attenuator	dB	0 - 18		0 - 18		
	Noise figure	dB	≤ 6.5		≤ 6.5		
	Output level (-60 dB, DIN 45004B)	dB μ V	115		115		
	Output level (-60 dB IMD2, EN 50083-3)	dB μ V	108		108		
	Output test	dB	-30		-30		
General	Operating supply voltage	V _{Ac}	100 - 264 ¹		24 - 90 ²		
	Consumption	W	19		19		
	Dimensions	mm	220 x 150 x 55		220 x 150 x 55		

Notes

¹ Mains lead with bipolar plug

² Line powering via RF input port

VERSIONS :

TAE-584 (Ref. 1560) : Features are those of the TAE-583 (Ref. 3207) plus slope adjustment control (0-16 dB) for return signal.

TAE-589 (Ref. 1561) : Features are those of the TAE-588 (Ref. 3208) plus slope adjustment control (0-16 dB) for return signal.