

One-way, Double 2150 MHz Amplifiers

SAE920

REF. 3507

SAE820

REF. 3515



- Application in collective installations with two download distribution cables carrying 2 satellite IF and 1 terrestrial TV signals.
- 1 TV + IF-1 input - 1 IF-2 input, 1 TV + IF-1 output - 1 TV + IF-2 output.
- Separated amplification paths for TV, IF-1 and IF-2 signals, each including attenuation and equalization adjustment potentiometers.
- GaAs-MESFET technology used for terrestrial amplification.
- External 75 Ω output test ports.
- Zinc alloy housing with protective cover for adjustment potentiometers. F type connection.
- Wall-fixing. Indoor mounting. Grounding terminal. Dimensions: 222 x 140 x 44 mm.

SAE-920

SAE-820

Powering mode	Mains*	Line**
RF Inputs	2: TV+FI-1; FI-2	
RF Outputs	2: TV+FI-1; TV+FI-2	

Frequency range

Terrestre (TV)	MHz	45 – 862
Satélite (IF-1)	MHz	950 – 2150
Satélite (IF-2)	MHz	950 – 2150

Terrestrial paths (TV)

Response flatness	dB	$\pm 1,5$
Nominal gain	dB	35
Variable interstage attenuator	dB	0 – 18
Slope control range	dB	0 – 18
Noise figure	dB	≤ 8
RF output level	dB μ V	(2x) 118 ¹ /115 ² /103 ³
Output test	dB	-20 ($\pm 1,5$)

Satellite Paths (IF-1 y IF-2)

Response flatness	dB	± 2
Nominal gain	dB	40
Variable interstage attenuator	dB	0 – 18
Slope control range	dB	0 – 12
Noise figure	dB	≤ 6
RF output level	dB μ V	120 ⁴
Output test	dB	-20 ($\pm 1,5$)

General

Operating temperature	°C	-10 – +55
Supply voltage	V _{AC}	230 – 240 48 and 65 systems
Consumption	W	15
Dimensions	mm	222 x 140 x 44

* Insertable mains lead. C8 type, 2-pin connection inlet.

**Connection (and passing, max 1A) of power current to the input or output TV + IF-1 port.

¹ -60dB IMD3 (DIN 45004B);

² -60dB IMD2 (EN 50083-3);

³ -60 dB CTB, CSO (42 ch, EN 50083-3);

⁴ -35dB IMD3 (EN 50083-3).