



## Extension amplifiers

2150 MHz amplifiers with return path. TV terrestrial and IF satellite distribution signals. SAE-920 (two outputs).



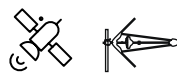
SAE-912 . SAE-916



SAE-920



2 models 1 output: TV+IF  
1 model 2 outputs: TV+IF 1 ; TV+IF 2



Terrestrial and Satellite inputs

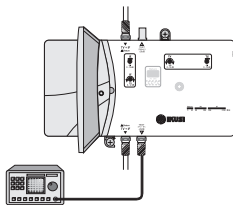


Output test

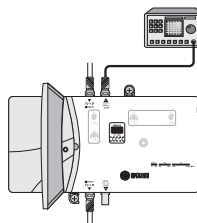
MODEL		SAE-912		SAE-916	
REF.		3500		3503	
Powering mode		Mains			
Bandwidth	Terrestrial (TV)	MHz	45 - 862	86 - 862	
	Satellite (BIS) Return		950 - 2150	950 - 2150	
			5 - 35 (passive path)	5 - 65 (active path)	
Terrestrial path (TV)					
Response flatness	dB	± 1.5			
Nominal gain	dB	35			
Variable interstage attenuator	dB	0 - 18			
Slope control range	dB	0 - 18			
Noise figure	dB	≤ 8			
Output level (DIN 45004B -60dB)	dBμV	118			
Output level (CTB, CSO -60dB, EN 42 ch)	dBμV	102			
Output test	dB	-20 ±1.5			
Satellite path (IF)					
Response flatness	dB	± 2			
Nominal gain	dB	40			
Variable interstage attenuator	dB	0 - 18			
Slope control range	dB	0 - 12			
Noise figure	dB	≤ 6			
Output level (EN 50083 -35dB)	dBμV	120			
Return path					
Nominal gain	dB	-2,5	12		
Selectable attenuation	dB	—	0 - 11		
Max RF input level	dBμV	—	98 <sup>1</sup> / 93 <sup>2</sup>		
Noise figure	dB	—	≤ 7		
Output level (DIN 45004B -60dB)	dBμV	—	110		
General					
Mains supply voltage (50/60 Hz)	VAC	230 - 240		230 - 240	
Consumption	W	8,5		9	
Dimensions	mm	222 x 140 x 44			

- Distribution of terrestrial TV, satellite IF and multimedia signals.
- 1 RF input - 1 RF output.
- Terrestrial and satellite frequencies amplified separately.
- Passive or active return path, with respective 35/45 MHz or 65/86 MHz splits.
- Attenuation and equalization adjustments of TV and IF signals by potentiometer.
- Zinc alloy housing with protective cover. F connectors. Wall fixing. Indoor mounting.

Output signal adjustment



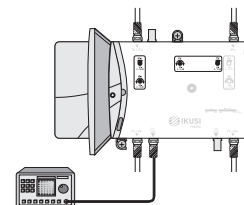
Output Control and Adjust signal return



MODEL		SAE-920	
REF.		3507	
Powering mode		Mains	
Bandwidth	Terrestrial (TV)	MHz	45 - 862
	Satellite (IF-1) Satellite (IF-2)		950 - 2150 950 - 2150
RF inputs	2 (TV+IF-1 ; IF-2)		
RF outputs	2 (TV+IF-1 ; TV+IF-2)		
Terrestrial path (TV)			
Response flatness	dB	± 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 (DIN 45004B -60dB)	dBμV	118	
RF output level (CTB, CSO -60dB, EN 42 ch)	dBμV	102	
Output test	dB	-20 ± 1.5	
Satellite path			
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 (EN 50083 -35dB)	dBμV	120	
Output test	dB	-20 ± 1.5	
General			
Operating temperature	°C	-10 ... +55	
Mains supply voltage	VAC	110 - 240	
Consumption	W	15	
Dimensions	mm	222 x 140 x 44	

- 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 output
- 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 75Ω output test ports.
- Zinc alloy housing with protective cover for adjustment potentiometers.
- F type connection. Wall-fixing
- Indoor mounting. Grounding terminal.

Output signals adjustment TV+IF-1



Output signals adjustment TV+IF-2

