

Two-way, 2150 MHz Amplifiers

SAE912

REF. 3500

SAE916

REF. 3503



- 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.
- 75 Ω ports. F connectors. Wall fixing. Indoor mounting. Dimensions: 222 x 140 x 44 mm.

		SAE-912	SAE-916
Powering mode		Mains	
Frequency range			
Terrestrial (TV)	MHz	45 – 862	86 – 862
Satellite (IF)	MHz	950 – 2150	950 – 2150
Return	MHz	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	dBμV	118 ¹ /115 ² /103 ³	
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	dBμV	120 ⁴	
Output test	dB	-20 (±1.5)	
Return path			
Nominal gain	dB	-2,5	12
Selectable attenuation *	dB	–	0 – 11
Max RF input level	dBμV	–	98 ¹ / 93 ²
Noise figure	dB	–	≤ 7
Output level	dBμV	–	110 ¹ /105 ²
Output test	dB	-20 (±1)	
General			
Operating temperature	°C	-10 – +55	-10 – +55
Mains supply voltage (50/60 Hz)	Vac	230 – 240	230 – 240
Consumption	W	8,5	9
Dimensions	mm	222 x 140 x 44	

* By plug-in links. Nine attenuation values between 0 and 11 dB.

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).