

Amplifier SA003

Product description

Line amplifier SA003 is intended for compensation of signal losses in SAT IF distribution network. Amplifier is powered by DC voltage (12-18) V through RF output or input connector.

Amplifier has DC voltage, tone and terrestrial TV bypass through RF input and output connectors. Terrestrial TV bypass is passive.

This amplifier is designed for indoor use only.

Safety instructions

Installation of the amplifier must be done according IEC60728-11 and national safety standards.

Any repairs must be done by a skilled personnel.

External power supply must have a short circuit protection.

Do not plug the external power supply until all cables have been connected correctly.

The amplifier shall not be exposed to dripping or splashing water.

Avoid placing amplifier next to central heating components and in areas of high humidity.

If the amplifier has been kept in cold conditions for a long time, keep it in a warm room no less than 2 hours before connecting supply voltage.

Technical characteristics

Frequency range	47-790 MHz	950-2400 MHz
Gain, typical	-3 dB	17-22 dB
Noise figure, typical	-	≤ 8 dB
Maximal output level IMD3=35 dB (EN60728-3)	-	118 dB μ V
DC bypass	18 V $\overline{=}$ 500 mA max.	
Current consumption	+12 ÷ +18 V $\overline{=}$ 55 mA	
Dimensions/Weight (packed)	89x27x19 mm/0.066 kg	



This product complies with the relevant clauses of the European Directive 2002/96/EC. The unit must be recycled or discarded according to applicable local and national regulations.



Equipment intended for indoor usage only.



Functional grounding. Connect to the main potential equalization.



This product is in accordance to following norms of EU: EMC norm EN50083-2, safety norm EN IEC62368-1, RoHS norm EN50581.



This product is in accordance with Custom Union Technical Regulations: "Electromagnetic compatibility of technical equipment" CU TR 020/2011, "On safety of low-voltage equipment" CU TR 004/2011.