

Line amplifier AB007

Product description

Line amplifier AB007 is intended for the compensation of signal loss in TV signal distribution network. It is powered by DC voltage (10-20) V through RF input or output connector.

The amplifier has a DC voltage bypass between RF input and output connectors.

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.

Mounting

The amplifier must be fixed with steel screws \varnothing 3-3.5 mm. The screws are not included in a package. Shields of cables must be connected to main potential equalization bus.


Technical characteristics

Frequency range	47-862 MHz
Gain	10-17 dB
Noise figure	5 dB
Maximal output level	IMD3=60 dB (DIN45004B) 110 dB μ V, IMD3=60 dB 107 dB μ V
DC bypass	20 V $\overline{=}$ 1 A max.
Current consumption	+10 \div +20 V $\overline{=}$ 60 mA
Dimensions/Weight (packed)	80x27x19 mm/0.085 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.

 This product is in accordance with safety standard AS/NZS 60065 and EMC standards of Australia.