

Product information: Vers 1B, issue Jun 2008, revised Feb 2012

### GENERAL DESCRIPTION

Amplifier AD20-1.9/AMT is intended for reliable receiving of PAL and DVB-T channels in regions where signal strength is quite small. Excellent low noise figure 1.9dB guarantees for the low level of its own contributed noise.

Using remote powering option the amplifier can be activated through output connector. In this case some type of a current injector must be used (e.g. Rantelon BT-1). Power supply adapter is also included into AD20 complete set.



### KEY FEATURES

- Maximum noise figure 1.9dB
- High gain
- Wideband
- Small current consumption
- Perfect for DVB-T signals
- Compact and reliable
- Remote powering option

### APPLICATION AREAS

- Digital tuner systems
- Private house antenna systems
- CATV/MATV

### TECHNICAL SPECIFICATIONS

Parameter	Specification	Unit
Frequency range	470-862	MHz
Gain	20	dB
Noise figure	1.9 (maximum)	dB
Output level DIN45004B	105	dB $\mu$ V
Power consumption	+16...20/40	V/mA
Impedance	75	Ohm
RF connector type	F-female	-
DC connector type	RCA-female	-



Figure 1: Example of input matching (S11) and transfer function (S21).