

# Simple AF Amplifier

This is a simple AF amplifier based on TDA2003, which is an amplifier of AF with a nominal output power:

- 10W at a load 2 Ohms
- 5W at a load 4 Ohms
- 2.5W at load 8 Ohms
- Frequency range 20-20000 Hz.

Chip TDA2003 has a built-in thermal protection and protection against short circuits on the output. The advantages of IC are a small quantity of additional elements, a low current consumption, not critical to the power supply (~ 1A, DC 8..16.5 V).

Allows short-term work at case temperature up to 100 degrees. For normal operation of the amplifier IC must be installed on the aluminum radiator. If the input signal level may exceed 1 volt, the chip may be damaged. To adjust the input signal level recommends to use the variable resistor at the input of schematic.

To avoid damage of IC and electrolytic capacitors, observe correct polarity when connecting the power supply.

