POWER AMPLIFIER CIRCUIT USING TDA2009

Power Amplifier Circuit – 25 Watts

Description

Here is the diagram of a 25 Watt power amplifier circuit made of TDA 2009 IC. TDA 2009 has two channels each rating 12.5 watts on 4 Ohm load. Here the two channels are bridged to get a single output channel weighting 25 W.

TDA 2009 IC has also built in features such as short circuit protection, thermal protection, overload protection etc using very low external components. The most interesting factor I see about this IC is that it require no dual supply.

Power Amplifier Circuit Diagram and Power Supply Circuit Schematic
Notes

- Do not connect more than 24 V to TDA 2009.
- If 5 ampere bridge is not available make one using four 5 A diodes.
- Fit a proper size heat sink to TDA 2009
- **Do not operate the circuit without heat sink.**
- For volume control connect a 10K pot
- All capacitors in this circuit must be rated above 25 V