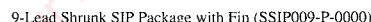


BTL 14W Audio Power Amplifier Circuit

The AN7172NK is an integrated circuit designed for power amp-lifier of 14W (13.2V, 4Ω) output. Small SIL package enables compact set. High reliability due to various kinds of protection circuit.

- Low shock noise from power ON/OFF operation
- Highly stable operation
- Incorporating protection circuits
- Built-in audio muting circuit



| Pin No. | Pin Name |
|---------|-----------------|
| 1 | N.F.B Ch.1 |
| 2 | GND (Input) |
| 3 | N.F.B. Ch.2 |
| 4 | Input |
| 5 | Ripple Filter |
| 6 | V _{cc} |
| 7 | Output Ch.2 |
| 8 | GND (Output) |
| 9 | Output Ch.1 |

The diagram illustrates a dual-channel audio amplifier circuit. It features two identical signal paths, each consisting of an Input Circuit, a Driver Circuit, and an Output Circuit. The top path has pins 5 (Ripple Filter), 2 (GND), 4 (IN), and 9 (OUT). The bottom path has pins 1 (NF), 3 (NF), and 7 (OUT). A Protection Circuit is connected to the Driver and Output stages of both channels. Power is supplied via pin 6 (V_{cc}) and ground is established at pins 2 and 8 (GND).

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