

LM1151

Dolby® B-Type Noise Reduction System

General Description

The LM1151 is a two-channel encode/decode switchable Dolby B-type noise reduction processor.

The circuit includes two completely separate noise reduction processors and will operate in both encode and decode modes.

Electronic switching simplifies switching from record to play-back modes of operation and turn on/off of noise reduction.

Applications

- Compact stereo audio equipment
- Dubbing cassette decks

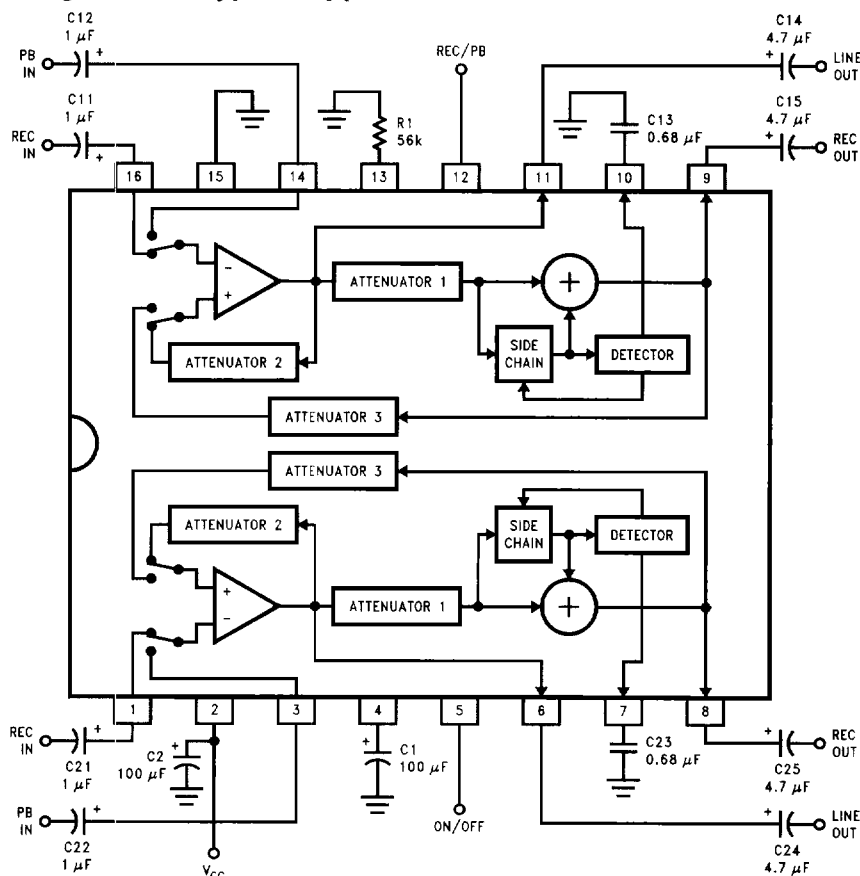
Features

- Minimum number of external components
- Electronic NR ON/OFF and REC/PB switching
- Small surface mount package
- Two channel processors on one chip
- Operates with both single and split supply voltages

Key Specifications

- | | |
|------------------------|-------------------|
| ■ Supply Voltage Range | 6.5V to 15V |
| ■ LINE OUT Level | 387.5 mV (−6 dBm) |
| ■ Signal Handling | ≥ +14 dB |

Block Diagram and Typical Application



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