

## LM378 Dual 4 Watt Audio Amplifier

### General Description

The LM378 is a monolithic dual power amplifier which offers high quality performance for stereo phonographs, tape players, recorders, and AM-FM stereo receivers, etc.

The LM378 will deliver 4W channel into 8 or 16 $\Omega$  loads. The amplifier is designed to operate with a minimum of external components and contains an internal bias regulator to bias each amplifier. Device overload protection consists of both internal current limit and thermal shutdown. For more information see AN-125.

### Features

- $A_{VO}$  typical 90 dB
- 4W per channel
- 70 dB ripple rejection
- 75 dB channel separation
- Internal stabilization

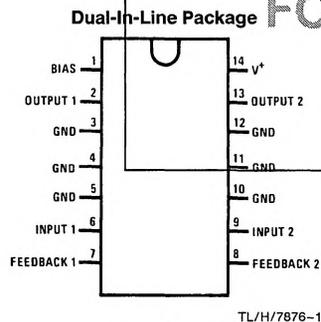
- Self centered biasing
- 3 M $\Omega$  input impedance
- Internal current limiting
- Internal thermal protection

### Application

- Multi-channel audio systems
- Tape recorders and players
- Movie projectors
- Automotive systems
- Stereo phonographs
- Bridge output stages
- AM-FM radio receivers
- Intercoms
- Servo amplifiers
- Instrument systems

### Connection Diagram

### Typical Application



Order Number LM378N  
See NS Package Number N14A

NOT RECOMMENDED  
FOR NEW DESIGNS

SEE LM2878P

