



Data Sheet

**DUAL LOW NOISE OPERATIONAL AMPLIFIERS**

**AZ4580**

**General Description**

The AZ4580 is a monolithic dual low noise operational amplifier. It is specifically designed for audio systems to improve tone control; it can also be used in pre-amplifier, industrial measurement tools and applications where gain and phase matched channels are mandatory.

The IC features internal frequency compensation, low noise, low distortion, high gain and high bandwidth. The AZ4580 can operate under dual power supply voltage up to  $\pm 18V$  or single power supply up to 36V.

The AZ4580 is available in DIP-8, SOIC-8 and TSSOP-8 packages.

**Features**

- Large Signal Voltage Gain: 110dB Typical
- Low Input Noise Voltage:  $0.7\mu V_{RMS}$  (RIAA) Typical
- Wide Gain Bandwidth Product: 15MHz at 10KHz Typical
- Low Distortion: 0.0005% Typical
- Slew Rate:  $7V/\mu s$  Typical

**Applications**

- Audio AC-3 Decoder System
- Audio Amplifier

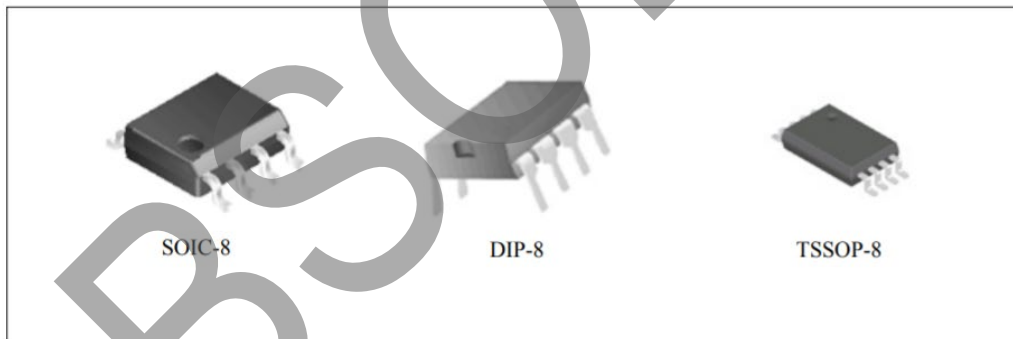


Figure 1. Package Types of AZ4580

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