

**LOW POWER QUAD OPERATIONAL AMPLIFIERS****AZ324**

Description

The AZ324 consists of four independent, high gain and internally frequency compensated operational amplifiers. It is specifically designed to operate from a single power supply. Operation from split power supply is also possible and the low power supply current drain is independent of the magnitude of the power supply voltages.

Features

- Internally Frequency Compensated for Unity Gain
- Large Voltage Gain: 100dB (Typical)
- Low Input Bias Current: 20nA (Typical)
- Low Input Offset Voltage: 2mV (Typical)
- Low Supply Current: 0.7mA (Typical)
- Wide Power Supply Voltage Range:
 - Single Supply: 3V to 18V
 - Dual Supplies: $\pm 1.5\text{V}$ to $\pm 9\text{V}$
- Input Common Mode Voltage Range Includes Ground
- Large Output Voltage Swing: 0V to $V_{CC}-1.5\text{V}$
- Power Drain Suitable for Battery Operation

Applications

- Battery Charger
- Cordless Telephone
- Switching Power Supply

Benefits

- Easier to use
- Meet most application requirements of the industrial standard 324
- Very competitive price

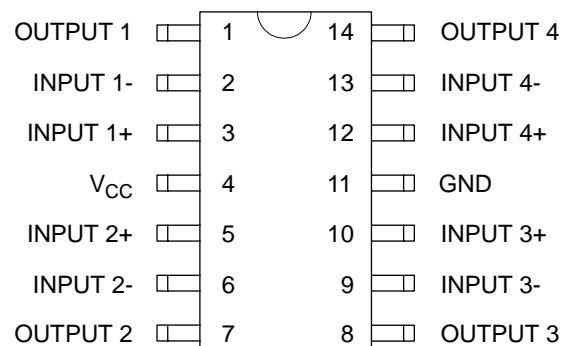
Parametric Table

Input Voltage Range (V)	3 to 18
	± 1.5 to ± 9
Input Offset Voltage (Typ/Max) (mV)	2.0/5.0
Quiescent Current Over Full Temperature Range (mA/Typ)	1.0
Large Signal Voltage Gain (dB)(Typ)	100
CMRR (dB)(Typ)	85
PSRR (dB)(Typ)	90
Output Current Source (mA)(Typ)	45
Output Current Sink (mA)(Typ)	20
Operating Temperature Range ($^{\circ}\text{C}$)	-40 to 85

Additional Available Materials

- Samples
- Datasheet

Pin Configuration

SOIC-14/DIP-14

**LOW POWER QUAD OPERATIONAL AMPLIFIERS****AZ324****Ordering Information Example**

Package	Temperature Range	Part Number		Marking ID		Packing Type
		Tin Lead	Lead Free	Tin Lead	Lead Free	
SOIC-14	-40 to 85 °C	AZ324M	AZ324M-E1	AZ324M	AZ324M-E1	Tube
		AZ324MTR	AZ324MTR-E1	AZ324M	AZ324M-E1	Tape & Reel
DIP-14		AZ324P	AZ324P-E1	AZ324P	AZ324P-E1	Tube

Detailed information please refer to the relevant datasheet.