

**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: $\pm 1.5V$ to $\pm 9V$
- Input Common Mode Voltage Range Includes Ground
- Large Output Voltage Swing: 0V to $V_{CC}-1.5V$
- Power Drain Suitable for Battery Operation

Applications

- Battery Charger
- Cordless Telephone
- Switching Power Supply

Benefits

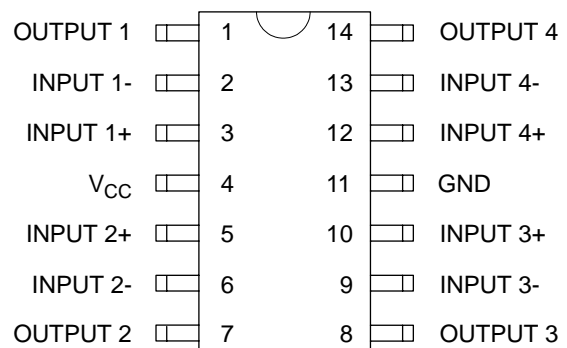
- Easier to use
- Meet most application requirements of the industrial standard 324
- Very competitive price

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 ($^{\circ}C$)	-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.

Sales Office:**USA**3170 De La Cruz Blvd, Suite # 105 Santa Clara, CA 95054-2411,
U.S.A

Tel : +1-408-988 6388

Fax : +1-408-988 6386

Taiwan4F, 298-1 Rui Guang Road, Nei-Hu District, Taipei,
Taiwan

Tel : 886-2-2656-2808

Fax : 886-2-2656-2806

Shanghai8F, B Zone, 900 Yi Shan Road, Shanghai 200233,
China

Tel : 86-21-6495 9539

Fax : 86-21-6485 9673

ShenzhenRoom 27B, Tower C, No. 2070, Shennanzhong Road, Shenzhen
518031, China

Tel : 86-755-8368 3987

Fax : 86-755-8368 3166