

**DUAL BIPOLAR OPERATIONAL AMPLIFIERS****AZ4558C****Description**

The AZ4558C consists of two high performance operational amplifiers. The IC features high gain, low equivalent input noise voltage, high input resistance, excellent channel separation, wide range of operating voltage and internal frequency compensation.

It can work with  $\pm 18\text{V}$  maximum power supply voltage or single power supply up to 36V.

**Features**

- Internally Frequency Compensated
- Large Signal Voltage Gain: 100dB Typical
- Gain and Phase Match between Amplifiers
- Gain Bandwidth Product (at 10KHz): 5.5MHz
- Pin to Pin Compatible with MC1458

**Parametric Table**

Supply Voltage (V)	$\pm 2$ to $\pm 18$
Supply Current (Typ) (mA)	2.5
Large Signal Voltage Gain (Typ) (dB)	100
CMRR (Typ) (dB)	95
Supply Voltage Rejection Ratio (Typ) (dB)	100
Gain Bandwidth Product @10KHz (Typ) (MHz)	5.5
Equivalent Input Noise (Typ) ( $nV/(\sqrt{Hz})$ )	10
Slew Rate (V/ $\mu\text{s}$ )	2.2
Operating Temperature (Min) ( $^{\circ}\text{C}$ )	-40
Operating Temperature (Max) ( $^{\circ}\text{C}$ )	85

**Applications**

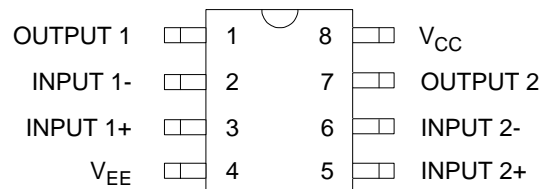
- Audio AC-3 Decoder System
- Audio Amplifier

**Benefits**

- Easier to Use
- Very Competitive Price

**Additional Available Materials**

- Samples
- Data Sheet

**Pin Configuration****SOIC-8/DIP-8**

**WIDE BANDWIDTH DUAL BIPOLAR OPERATIONAL AMPLIFIERS****AZ4558C****Ordering Information Example**

Package	Temperature Range	Part Number		Marking ID		Packing Type
		Tin Lead	Lead Free	Tin Lead	Lead Free	
SOIC-8	-40 to 85°C	AZ4558CM	AZ4558CM-E1	4558CM	4558CM-E1	Tube
		AZ4558CMTR	AZ4558CMTR-E1	4558CM	4558CM-E1	Tape & Reel
DIP-8		AZ4558CP	AZ4558CP-E1	AZ4558CP	AZ4558CP-E1	Tube

Detailed information please refer to the relevant datasheet.

EEPW.com.cn 电子产品世界

**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

**Shanghai**

8F, B Zone, 900 Yi Shan Road, Shanghai 200233,  
China  
Tel : 86-21-6495 9539  
Fax : 86-21-6485 9673

**Taiwan**

4F, 298-1 Rui Guang Road, Nei-Hu District, Taipei,  
Taiwan  
Tel : 886-2-2656-2808  
Fax : 886-2-2656-2806

**Shenzhen**

Room E, 5F, Noble Center, No.1006, 3rd Fuzhong Road, Futian  
District, Shenzhen 518026, China  
Tel : 86-755-8826 7951  
Fax : 86-755-8826 7865