

FEATURES

- ♦ On-Chip Hall Sensor
- 3.5V to 20V Supply Voltage
- ◆ 300mA (avg) Output Sink Current

APPLICATIONS

- ◆ Dual-Coil Brush-less DC Motor
- ♦ Dual-Coil Brush-less DC Fan

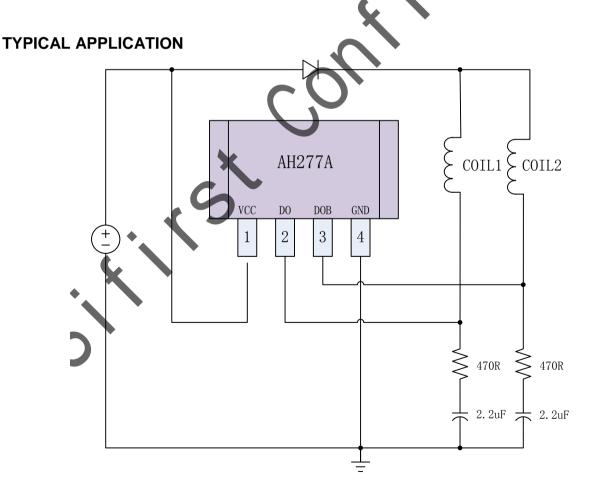
GENERAL DESCRIPTION

The AH277A is an integrated Hall sensor with output driver designed for electronic commutation of brushless DC motor applications.

The device includes an on-chip Hall voltage, a Schmitt trigger to provide switching hysteresis for noise rejection, a temperature compensation circuit to compensate the temperature drift of Hall sensitivity and two complementary open-collector drivers for sinking large load current. It also includes an internal band-gap regulator which is used to provide bias voltage for internal circuits.

Placing the device in a variable magnetic field, if the magnetic flux density is larger than threshold BOP, the pin DO will be turned low (on) and pin DOB will be turned high (off). This output state is held until the magnetic flux density reverses and falls below BRP, then causes DO to be turned high (off) and DOB turned low(on).

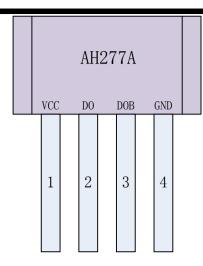
AH277A is available in TO-94(SIP-4L) package.



Pin Configuration

TO94(Top View)





Pin Description

Pin Num	Pin Name	I/O	Description	
1	VCC	Р	Supply voltage	
2	DO	ı	Output1	. 0.
3	DOB	ı	Output2	
4	GND	Р	Ground	

Marking Information

Circuit Type -

AH277A

Circuit Type

Package -

Z4:T0-94(SIP-4L)

E1:Lead Free

-Magnetic Characteristics

A:15 to 45Gauss

B:10 to 65Gauss

C:95Gauss D:135Gauss

Ordering Information

Part Number	Top Mark	Pacl	Tape & Reel	
	➤ AH277AZ4-AE1			Yes
AH277AZ4	AH277AZ4-BE1	TO94	Croon	
AUSTI BZ4	AH277AZ4-CE1	1094	Green	
	AH277AZ4-DE1			

applications.