



## DC Brushless Motor Driver IC

# PT-308Cx Double Coil Motor Driver IC

### Overview

This universal DC brushless motor driver IC is designed for various DC motor's applications. This driver IC can be used for double coil DC brushless motor. This driver IC accept the hall IC's output signal and drives the motor coil directly without any other extra transistors.

### Applications

- Double coils DC brushless motor.

### Features

- Motor lock protection and automatic restart
- Low power consumption and high driving efficiency

PT-308C-A: 3~18V, PWM Control

PT-3085C: 3~18V, RD Output

PT-3086C: 3~18V, FG Output

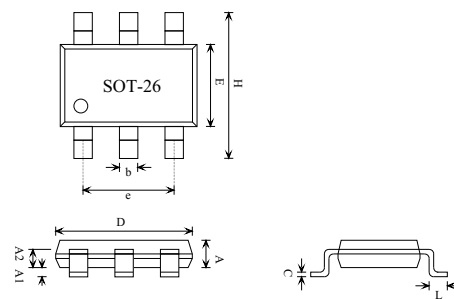
PT-3086D1: 2~18V, FG Output/4 Pole Fan

PT-3086D2: 2~18V, FG Output/8 Pole Fan

### Input Devices

- Hall IC

### Package: SOT-26



SYMBOLS	DIMENSIONS IN MILLIMETERS(mm)		
	MIN	NOM	MAX
A	1.00	1.10	1.30
A1	0.00	-	0.10
A2	0.70	0.80	0.90
b	0.35	0.40	0.50
C	0.10	0.15	0.25
D	2.70	2.90	3.10
E	1.60	1.80	2.00
H	2.60	2.8	3.00
e	1.7	1.9	2.1
L	0.20	-	-

### Specifications

#### Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Conditions	Ratings	Units
Maximum supply voltage	$V_{DD}^{max}$		18	V
Allowable power dissipation	$P_d$		350*	mW
Operating temperature	Ta		-30 ~ +125	°C
Storage temperature	Ts		-55 ~ +150	°C
Output Continuous current	$I_{out}$	Max.	400	mA
Output Peak current	$I_{out}$	$T \leq 20\mu s$	650	mA

\* On 50mm x 50mm x 1.6mm glass epoxy board

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