



PT-308Fx 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.
- 4V to 18V operation

Features

- Motor lock protection and automatic restart
- Low power consumption and high driving efficiency
- PWM speed control
- RD output
- FG output

PT-308F-A: Analogy PWM motor driver

PT-308F-B: Linear PWM motor predriver

PT-308F-C: Analogy PWM motor driver, no pull-up diode

PT-308F-D: Digital PWM motordriver

Input Devices

- Hall IC

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 | T_a | | -30 ~ +125 | °C |
| Storage temperature | T_s | | -55 ~ +150 | °C |
| Output Continuous current | I_{out} | Max. | 400 | mA |
| Output Peak current | I_{out} | $T_s \leq 20\mu s$ | 650 | mA |

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

Package: SOT-26

