



DC Brushless Motor Driver IC

PL392P-A

Single coil Motor Pre-Driver IC with PWM control

Applications

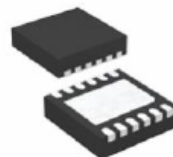
- Automotive fan motor

Features

- Built-in hall sensor
- Single phase full wave pre-driver
- Speed controllable by DC voltage /PWM
- FG open drain output
- Low speed setting
- Quick start
- Soft start
- Protections
 - Motor locked protection and automatic restart
 - Current limit protection
 - Jump start overvoltage protection
 - Under voltage lock out protection
- Built-in zener diode
- High balance and low thermal drift magnetic sensing
- AEC Q100 qualified
- RoHS compliance

Package: DFN-12pin

3x3x0.75 (mm)



Specifications

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	VDDmax		20	V
Allowable power dissipation	Pd		1860*1	mW
Operating temperature	Ta		-40~+125	°C
Storage temperature	Ts		-50~+150	°C
Max. high side output voltage(O1P,O2P)	VHOMAX		40	V
Max. low side output voltage(O1N,O2N)	VLOMAX		20	V
Max. output current (O1P, O2P, O1N, O2N)	IOMAX		50	mA
Max. FG output voltage	VFGMAX		20	V
Max. FG output current	IFGMAX		10	mA
VREF driving capability	IVREF		5	mA
Max. input voltage(PWM,CS,VL,SS,VSEN)	VINMAX		6	V

*1: Reduced by 14.88mW for each increase in Ta of 1°C over 25°C When mounted on 50mm x 50mm x 1.6mm glass epoxy board