



DC Brushless Motor Driver IC

PT395V-A

5V Single-phase Motor Driver with 2 Modes PWM speed control

Applications

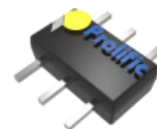
- Automotive cooling fan

Features

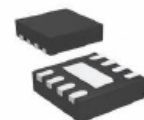
- Built-in high sensitivity hall sensor
- Single phase full wave driver
- Linear Soft switching output driver
- Speed controllable by DC voltage or Digital PWM
Two modes, identified automatically
- FG/RD output
- Quick start
- Protections
 - Motor locked protection and automatic restart
 - Back-EMF protection
 - Thermal protection
- Built-in hysteresis comparator
- Built-in Zener diode
- High balance and low thermal drift magnetic sensing
- Low power consumption and high driving efficiency
- RoHS 2.0 compliance / MSL 3
- AEC Q100 qualified

Package:

TSOT-6pin (2.9x1.6x0.75mm)



DFN-8pin (2.0x2.0x0.75mm)



Specifications

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	VDDmax		10	V
Allowable power dissipation	Pd	TSOT-6	500	mW
		DFN-8L	1250	mW
Operating temperature range	TJ		-40~+150	°C
Storage temperature	Ts		-50~+150	°C
Max. output current	IOMAX	0.5sec	1000*1	mA
Max. FG/RD output voltage	VFG/RDMAX		20	V
Max. FG/RD output current	IFG/RDMAX		10	mA
Max. input voltage (PWM)	VINMAX		10	V
Junction temperature	TJMAX		150	°C

*1: Should not exceed Pd