

Single-phase Motor Driver with
2 Modes PWM speed control**Applications**

- Single coil DC brushless motor

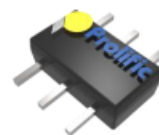
Features

- Built-in high sensitivity hall sensor
- Linear Soft switching output driver
- Motor locked protection and automatic restart
- Speed controllable by Digital PWM or DC voltage two modes, identified automatically
- FG/RD(Alarm) open drain output
- Quick start
- High Transient voltage dv/dt immune
- Back-EMF protection
- Over voltage protection
- Built-in hysteresis comparator
- Built-in Zener diode
- High balance and low thermal drift magnetic sensing
- Low power consumption and high driving efficiency

Specifications**Absolute Maximum Ratings (Ta=25°C)**

Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	VDDMAX		20	V
Allowable power dissipation	Pd	TSOT-6L	500	mW
		DFN-8L	1250	mW
Operating temperature range	Ta		-40~+105	°C
Storage temperature	Ts		-50~+150	°C
Max. output voltage	VOMAX		20	V
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

*1: Should not exceed Pd

Package:**TSOT-6pin (2.9x1.6x0.75mm)****DFN-8pin (2.0x2.0x0.75mm)**