



DC Brushless Motor Hall Driver IC

PT3923-A
Single coil Hall Driver IC

Applications

- Single coils DC brushless motor

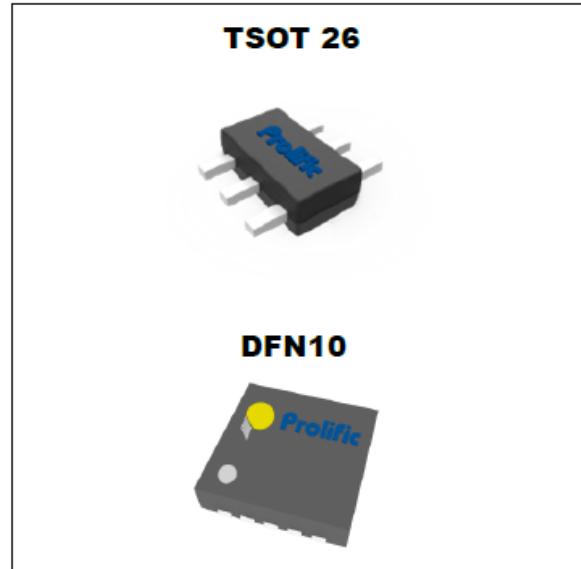
Features

- Built-in hall sensor
- Single phase full wave driver
- Soft switching output driver
- Motor locked protection and automatic restart
- Speed controllable by PWM input signal
- FG output
- 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

Specifications

Absolute Maximum Ratings ($T_a=25^\circ\text{C}$)

Package: TSOT26 / DFN10(3x3)



Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	V _{DDmax}		17	V
Maximum FG output voltage	V _{FGmax}		17	V
Maximum FG output current	I _{FGmax}		25	mA
Allowable power dissipation	P _d	TSOT26	500	mW
		DFN10	1860	mW
Operating temperature	T _a		-40~+105	°C
Storage temperature	T _s		-50~+165	°C
Max. output current	Peak		1000	mA
	Hold	0.5sec	800 ¹	mA
Junction Temperature	T _j		165	°C

¹: Should not exceed P_d