



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

Package: TSOT26 / DFN10(3x3)

TSOT 26



DFN10



Specifications

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	VDDmax		17	V
Maximum FG output voltage	VFGmax		17	V
Maximum FG output current	IFGmax		25	mA
Allowable power dissipation	Pd	TSOT26	500	mW
		DFN10	1860	mW
Operating temperature	Ta		-40~+105	°C
Storage temperature	Ts		-50~+165	°C
Max. output current	Peak		1000	mA
	Hold	0.5sec	800*1	mA
Junction Temperature	Tj		165	°C

*1: Should not exceed Pd