



DC Brushless Motor Hall Driver IC

PT3938 24V Single coil Hall Driver IC with FG output

Applications

- Single coil DC brushless motor
- Support pre-driver application

Features

- Built-in hall sensor
- Single phase full wave driver
- Soft switching output driver
- Motor locked protection and automatic restart
- 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
- Thermal protection

Specifications

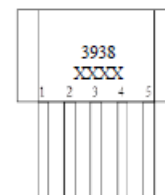
Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Units
Maximum supply voltage	VDDmax	10u sec	42	V
Allowable power dissipation	Pd	TO92-5Pin	586	mW
		SOP10F	833	
Operating temperature	Ta		-40~+85	°C
Storage temperature	Ts		-50~+150	°C
Max. output current	IOMAX	0.5sec	1200*1	mA
FG output current	IFGMAX		20	mA
FG output voltage	VFGMAX		32	V
Maximum Junction temperature	Tjmax		150	°C

*1: Should not exceed Pd

Package:

TO92-5L



SOP-10F

