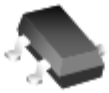
Package: TO92-3L/SOT23-3L/SOT89-3L

P/N: PT3611-XX-X

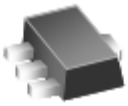
TO92-3L (UA)



SOT23-3L (LH)



SOT89-3L (LT)



Key Features

- 3.8V~24V operation
- High sensitivity ; ±26G
- Built-in dynamic offset cancellation
- High balance and low thermal drift magnetic sensing
- ESD protection to 8KV
- Open drain output

Applications

- Brushless DC motor
- Tachometer
- Cover detection
- Fluid level detection

The PT3611 is designed for magnetic actuating using a bipolar magnetic field. The built-in dynamic offset cancellation of pre-amplifier stage achieves optimal symmetrical magnetic sensing. This Hall effect IC is optimal for DC brushless motor application. The supply voltage range is from 3.8V to 24V and maximum output current is 50mA.

Specifications

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Conditions	Rating	Unit
Maximum supply voltage	V_{DDMAX}		28	V
Allowable power dissipation	P_D	TO-92(UA)	550*1	mW
		SOT-23(LH)	300*1	mW
		SOT-89(LT)	500*1	mW
Operating temperature range	T_A	Suffix'A'	-40~+150	℃
		Suffix'K'	-40~+125	℃
Storage temperature range	T_S		-55~+150	℃
Max. output current	I_{OMAX}		50	mA

*: On 50mm x 50mm x 1.6mm glass epoxy board