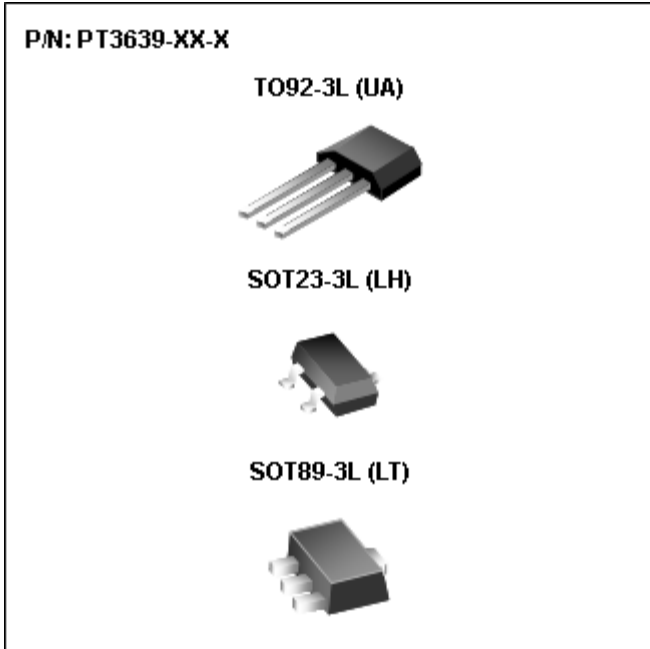


### Package: T092-3L/SOT23-3L/SOT89-3L



The PT3639 is a high sensitive unipolar Hall switch sensor. The built-in dynamic offset cancellation and temperature compensation of pre-amplifier stage achieves accuracy magnetic sensing. The wide supply voltage range is from 3.8V to 24V and the maximum output current is 50mA.

### Specifications

#### Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Unit
Maximum supply voltage	V <sub>DDMAX</sub>		28	V
Allowable power dissipation	P <sub>D</sub>	TO-92(UA)	550 <sup>*1</sup>	mW
		SOT-23(LH)	300 <sup>*1</sup>	mW
		SOT-89(LT)	500 <sup>*1</sup>	mW
Operating temperature range	T <sub>A</sub>	Suffix'A'	-40~+150	°C
		Suffix'K'	-40~+125	°C
Storage temperature range	T <sub>S</sub>		-55~+150	°C
Max. output current	I <sub>OMAX</sub>		50	mA

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

### Key Features

- 3.8V~24V operation
- High sensitivity ; -55G
- Built-in dynamic offset cancellation
- High accuracy unipolar switch
- ESD protection to 8KV
- Open drain output
- Low thermal drift magnetic sensing

### Applications

- Brake Pedal Switch
- Clutch Switch
- Proximity Sensor
- Solid State Switch
- Weak Magnets Application