



Hall IC

PT3612

Hi-sensitivity Hall-effect Latch

Applications

- DC brushless motors
- CAM shaft sensors
- Rotating speed measurement
- Magnetic encoders
- Automotive systems
- Home appliances
- Home safety

Features

- 3.8V to 24V wide operation voltage
- High sensitivity
- Built-in dynamic offset cancellation
- Small size
- High balance and low thermal drift magnetic sensing
- Lead length 18.7mm (UL type)

Ordering information

- PT3612-PA-T
Package(PA): UA or UL or LH
Temperature(T): A or K

Specifications

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Conditions	Rating	Unit
Maximum supply voltage	V_{DDMAX}		28	V
Allowable power dissipation	P_D	TO-92(UA)	550 ^{*1}	mW
		TO-92(UL)	550 ^{*1}	mW
		SOT-23(LH)	500 ^{*1}	mW
Operating temperature range	T_A	Suffix 'A'	-40~+150	°C
		Suffix 'K'	-40~+125	°C
Storage temperature range	T_S		-55~+150	°C
Relative Humidity	R_H		20~90	%
Max. output current	I_{OMAX}		50	mA

P/N: PT3612-XX-X

TO92-3L (UA)



TO92-3L (UL)



SOT23-3L (LH)



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