



60V High Voltage Bipolar Hall Effect Position Sensor

General Description

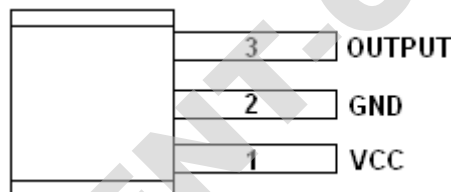
The OCH149 is an integrated Hall effect latched sensor designed for electronic commutation of brush-less high-voltage high-power DC motor applications. The device includes an on-chip Hall voltage generator for magnetic sensing, a comparator that amplifies the Hall voltage, and a Schmitt trigger to provide switching hysteresis for noise rejection, and an open-collector output. An internal bandgap regulator is used to provide temperature compensated supply voltage for internal circuits and allows a wide operating supply range. The internal filter and protection block can keep the output voltage at safety level and avoid the damage of the sensors.

Features

- Wide operating voltage range: 3.8V~60V
- ESD:HBM-8KV;MM-800V
- Wide operating temperature range: -40°C~+150°C
- Robust open-collector output
- Package: SIP3(TO92S)

Pin Configuration

SIP-3L (Top View)



Name	No. SIP3	Status	Description
VCC	1	P	IC Power Supply
GND	2	P	IC Ground
Output	3	O	It is low state during the S magnetic field

Application Circuit

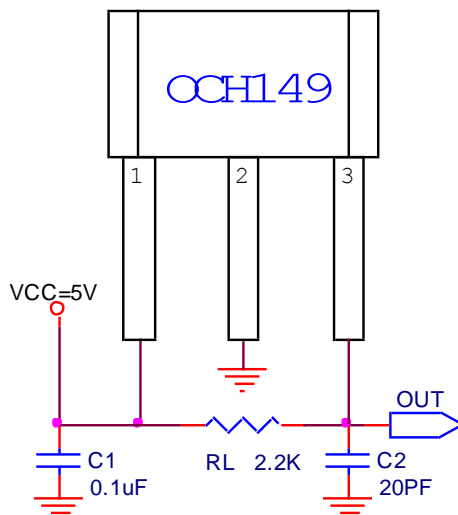


Fig 1, Typical Application Circuitry of OCH149



■ Ordering Information

Part Number	Package Type	Packing Qty	Bop (Gauss)	Brp (Gauss)	Temperature	Eco Plan	Lead
OCH149MF	SIP-3L	Bulk 1000pcs/bag	50	-50	-40~150°C	RoHS	Cu

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