



■ General Description

The OCH41HX is an integrated Hall effect latched sensor designed for electronic commutation of brush-less 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 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.

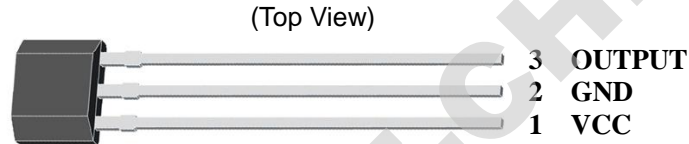
■ Features

- Wide operating voltage range 3.8V~30V
- Maximum output sink current 50mA
- Open-Collector pre-driver
- Operating Temperature Range -40°C ~ +150°C
- Reverse polarity protection
- Package: SIP-3L

■ Applications

- Rotor Position Sensing
- Brush-less DC Motor
- Speed measurement
- Revolution counting

■ Pin Configuration



Name	Pin No.	Description
VCC	1	IC Power Supply
GND	2	IC Ground
OUTPUT	3	It is low state during the S magnetic field

■ Ordering Information

Part Number	Package Type	Packing Qty	B _{OP} (Gauss)	B _{RP} (Gauss)	Temperature	Eco Plan	Lead
OCH41HXAMF	SIP-3L	1000pcs	45(Typ.)	-45(Typ.)	-40 ~ 150°C	ROHS	Cu

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