



■ General Description

The OCH41N 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.

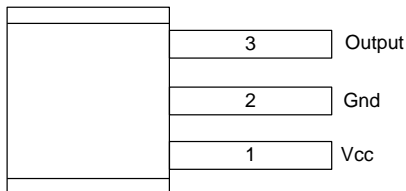
A South pole of sufficient strength will turn the output ON. In the absence of a magnetic field, the output is OFF.

■ Features

- Wide operating voltage range: 3.8V~30V
- Open-Collector Output
- Reverse polarity protection
- Maximum output sink current 25mA
- Package: SIP3

■ Pin Configuration

(Top View)



Name	No.	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

■ Ordering Information

Part Number	Package Type	Packing Qty	B _{OP} (Gauss)	B _{RP} (Gauss)	Temperature	Eco Plan	Lead
OCH41NMF	SIP-3L	1000pcs/Box	5 ~ 80	-80 ~ -5	-40~150°C	ROHS	Cu

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