



General Description

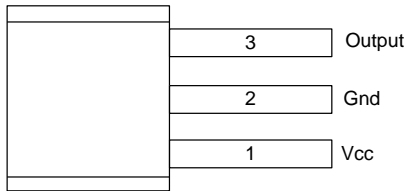
The OCH146 is an integrated Hall effect latched sensor designed for electronic commutation of brush-less DC motor applications. The device includes an on-chip Hall voltage generator for magnetic sensing, a comparator that amplifies the Hall voltage, and a Schmitt trigger to provide switching hysteresis 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

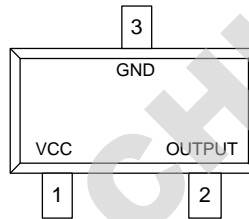
- Wide operating voltage range: 3.0V~24V
- Maximum output sink current 25mA
- Package: SIP3

Pin Configuration

(1) SIP3L (Top View)



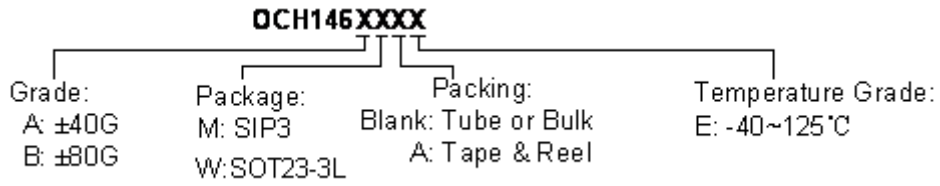
(2) SOT23-3L (Top View)



Pin Name	Pin No.	Pin Function
	SIP-3L	
Vcc	1	IC Power Supply
Gnd	2	IC Ground
Output	3	It is low state during the S magnetic field
Pin Name	Pin No.	Pin Function
	SOT23-3L	
Vcc	1	IC Power Supply
OUTPUT	2	It is low state during the S magnetic field
GND	3	IC Ground



Ordering Information



Part Number	Package Type	Package Qty	Brp (Gauss)	Bop (Gauss)	Temperature	Eco Plan	Lead/Ball Finish
OCH146AME	SIP-3L	Bulk 1000pcs/bag	-40 ~ -8	8 ~ 40	-40~125°C	ROHS	Cu Sn
OCH146AWAE	SOT23-3L	7-in reel 3000pcs/reel	-40 ~ -8	8 ~ 40	-40~125°C	Green	Cu Sn
OCH146BME	SIP-3L	Bulk 1000pcs/bag	-80 ~ -5	5 ~ 80	-40~125°C	ROHS	Cu Sn
OCH146BWAE	SOT23-3L	7-in reel 3000pcs/reel	-80 ~ -5	5 ~ 80	-40~125°C	Green	Cu Sn

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