

EW-432

Shipped in packet-tape reel(5000pcs/Reel)

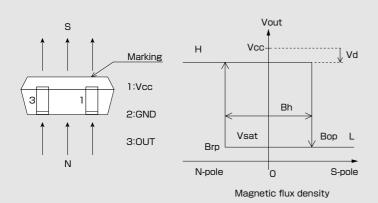
EW-432 is composed of a Ultra-high sensitive InSb Hall element and a signal processing IC chip in a package.

Bipolar Hall Effect Latch Supply Voltage 2.2~18V

Hall Element Continuous Excitation High Sensitivity Bop:3mT Output With Pull-up Resistor SMT

Notice: It is requested to read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

Operational Characteristics



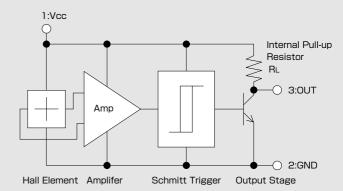


● Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Limit	Unit
Supply Voltage	V _{cc}	18**	V
Output H Voltage	V _{o(off)}	V _{cc}	V
Output L Current	Isink	12	mA
Operating Temperature Range	Topr	−30 ~ 115	°C
Storage Temperature Range	Tstg	−40 ~ 125	°C

 $^{(\}ensuremath{\boldsymbol{\ast}})$ Please refer to Supply Voltage Derating Curve.

●Functional Block Diagram



● Magnetic and Electrical Characteristics (Ta=25°C)

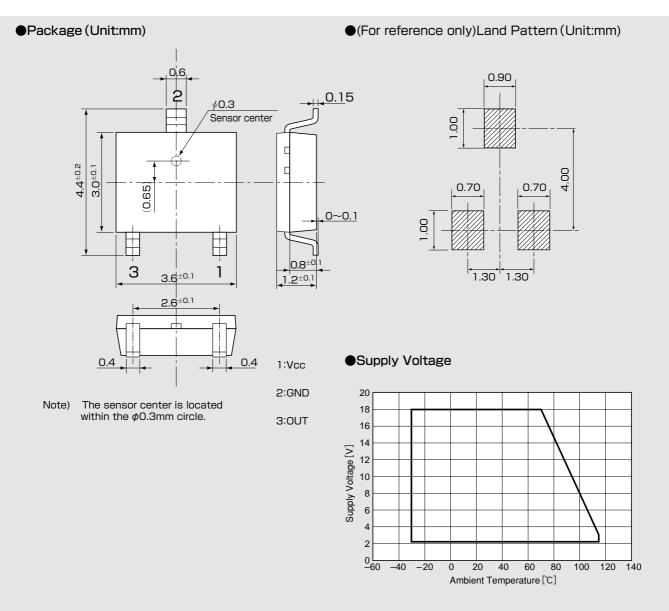
Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Voltage	V _{CC}		2.2	12	18	٧
Operating Point	B _{OP}	V _{CC} =12V		3	6	mT
Release Point	B _{rp}	V _{CC} =12V	-6	-3		mT
Hysteresis	Bh	V _{CC} =12V		6		mT
Output Saturation Voltage	V _{sat}	V _{CC} =12V,OUT"L"			0.4	٧
Supply Current	I_{CC}	V _{CC} =12V,OUT"H"			8	mA
Output Down Voltage	٧d	V _{CC} =12V,OUT"H"			20	mV
Internal Load Resistance	RL		6		14	kΩ

1[mT]=10[Gauss]

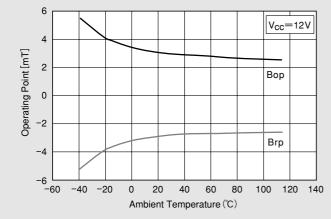
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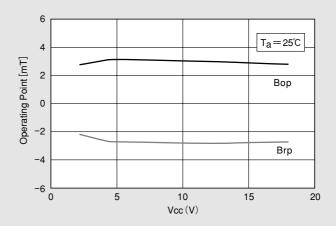
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●Temparature Dependence of Bop. Brp



Supply Voltage Dependence of Bop. Brp



С

h

0

p

q

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