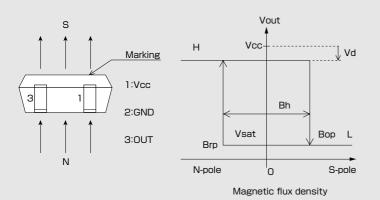


Shipped in packet-tape reel(5000pcs/Reel)

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℃)

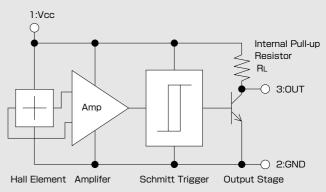
Item	Symbol	Limit	Unit	
Supply Voltage	V <sub>cc</sub>	18 <sup>(*)</sup>	V	
Output H Voltage	V <sub>o(off)</sub>	V <sub>cc</sub>	V	
Output L Current	Isink	12	mA	
Operating Temperature Range	Topr	<b>−</b> 30 ~ 115	Ĵ	
Storage Temperature Range	Tstg	$-40 \sim 125$	Ĵ	

(\*) Please refer to Supply Voltage Derating Curve.

## ●Magnetic and Electrical Characteristics (Ta=25℃)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Voltage	V <sub>CC</sub>		2.2	12	18	V
Operating Point	B <sub>OP</sub>	V <sub>CC</sub> =12V		3	6	mT
Release Point	B <sub>rp</sub>	V <sub>CC</sub> =12V	-6	-3		mT
Hysteresis	Bh	V <sub>CC</sub> =12V		6		mT
Output Saturation Voltage	V <sub>sat</sub>	V <sub>CC</sub> =12V,OUT"L"			0.4	V
Supply Current	Icc	V <sub>CC</sub> =12V,OUT"H"			8	mA
Output Down Voltage	Vd	V <sub>CC</sub> =12V,OUT"H"			20	mV
Internal Load Resistance	RL		6		14	kΩ
1 [mT]=10[Gauss]						

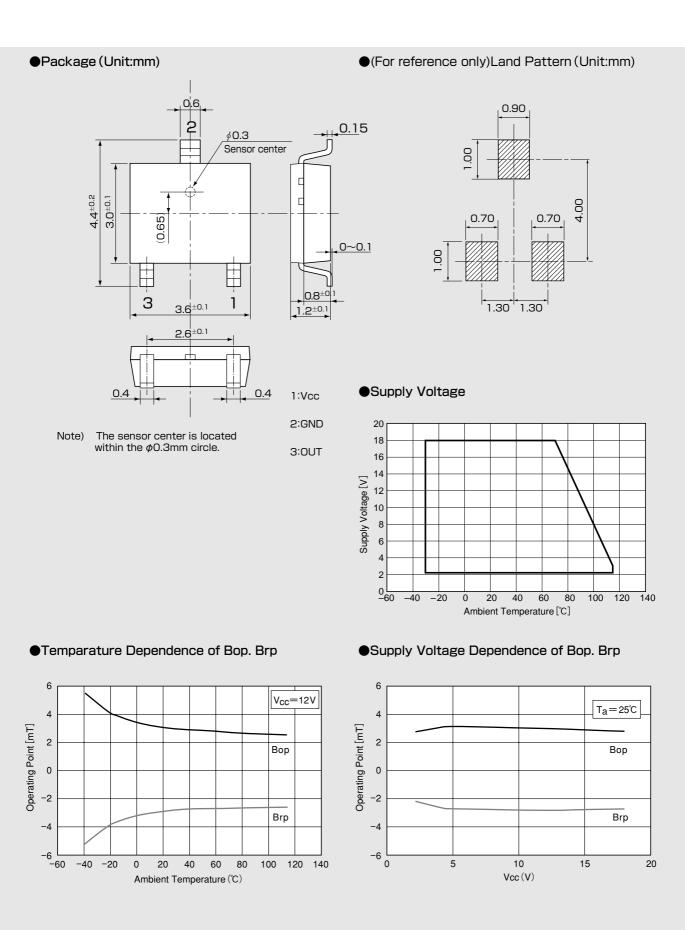
•Functional Block Diagram



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