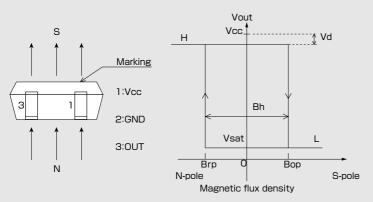


Shipped in packet-tape reel(5000pcs/Reel)

EW-402 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 4.5~18V	Hall Element Continuous Excitation	High Sensitivity Bop:10mT	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℃)

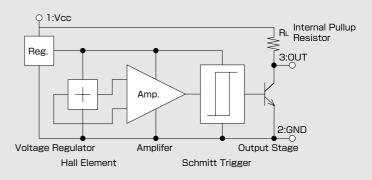
Item	Symbol	Limit	Unit	
Supply Voltage	V _{CC}	18 ^(*)	V	
Output H Voltage	V _{o(off)}	V _{cc}	V	
Output L Current	Isink	15	mA	
Operating Temperature Range	Topr	−20 ~ 115	°C	
Storage Temperature Range	Tstg	-40 ~ 125	Ĵ	

(*) Please refer to Supply Voltage Derating Curve.

●Magnetic and Electrical Characteristics (Ta=25℃)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Voltage	V _{CC}		4.5	12	18	V
Operating Point	B _{OP}	V _{CC} =12V	5		20	mT
Release Point	B _{rp}	V _{CC} =12V	-20		-5	mT
Hysteresis	Bh	V _{CC} =12V	10			mT
Output Down Voltage	Vd	V _{CC} =12V,OUT"H"			20	mV
Output Saturation Voltage	V _{sat}	V _{CC} =12V,OUT"L"			0.4	V
Supply Current	Icc	V _{CC} =12V,OUT"H"			8	mA
Internal Load Resistance	RL		7		13	KΩ
1 [mT]=10 [Gau						Gauss]

Functional Block Diagram



ASAHI KASEI MICRODEVICES

-15

-40 -20

0

20

40

Ambient Temperature (°C)

60

80

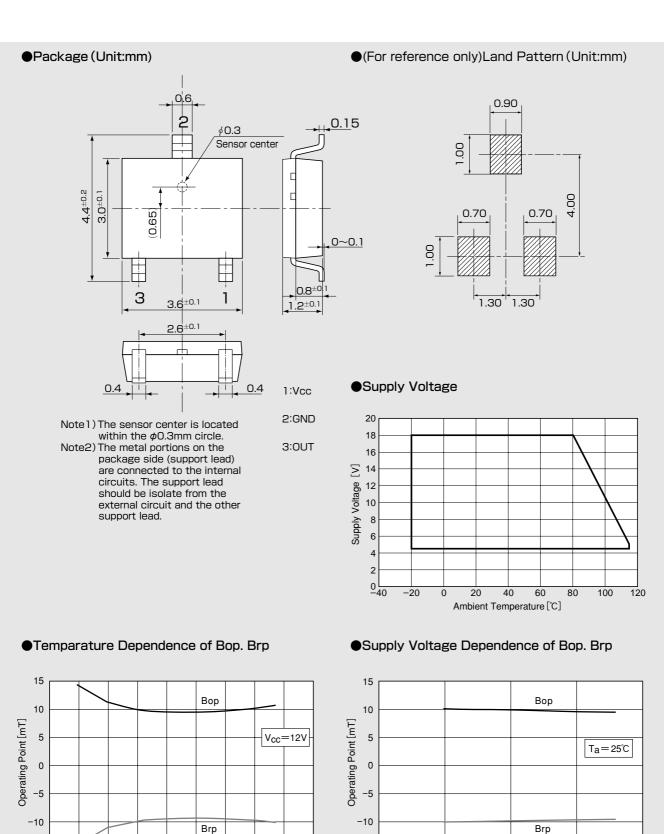
100

120

140

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-15

0

5

10

Vcc[V]

15

20

С

е

h

р

r

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reliability. Note2) A hazard related device or system is one designed or intended for life support or maintenance of safety or for applications in medicine, aerospace, nuclear energy, or other fields, in which its failure to function or perform may reasonably be expected to result in loss of life or in significant injury or damage to person or property.

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