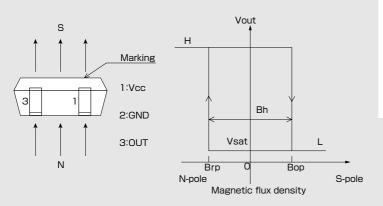


Shipped in packet-tape reel(5000pcs/Reel)

EW-400 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	Low Sensitivity Bop:10mT	Output Open Collector	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	Ĵ	
Storage Temperature Range	Tstg	-40 ~ 125	Ĵ	

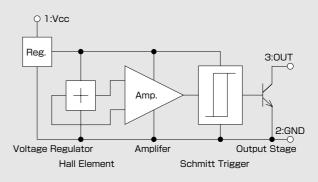
(*) Please refer to Supply Voltage Derating Curve.

●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 Saturation Voltage	V _{sat}	V _{CC} =12V,OUT"L",I _{Sink} =10mA			0.4	V	
Output Leakage Current	I _{leak}	V _{CC} =12V,OUT"H",V _{OUt} =12V			1	μA	
Supply Current	Icc	V _{CC} =12V,OUT"H"			8	mA	
1[mT]=10[Gauss]							

1 [mT] =10 [Gauss]

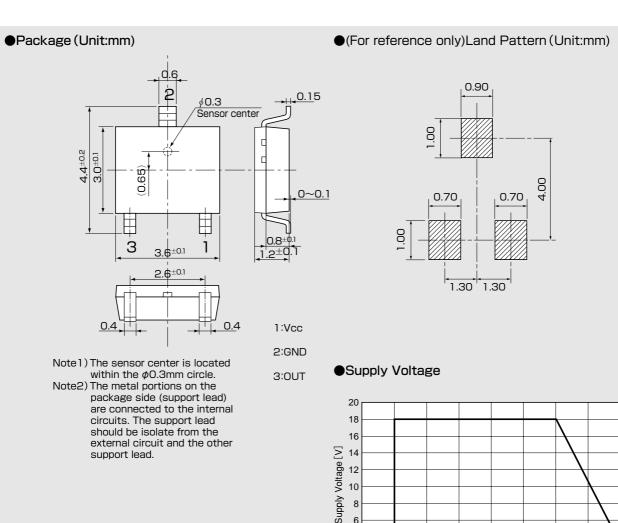
Functional Block Diagram



ASAHI KASEI MICRODEVICES

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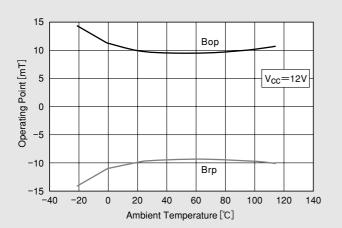
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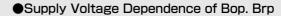


-20

0

•Temparature Dependence of Bop. Brp





20

40

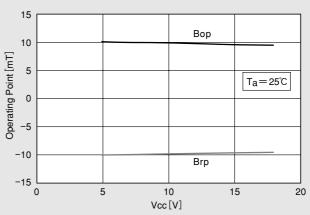
Ambient Temperature [°C]

60

80

100

120



С

d



р

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