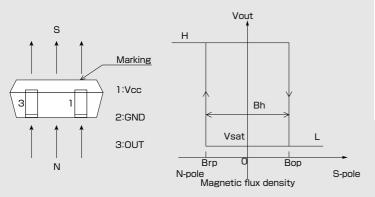
EW-410B

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

EW-410B is composed of a Ultra-high sensitive InSb Hall element and a signal processing IC chip in a package.

Bipolar Hall	Supply Voltage	Hall Element	High Sensitivity	Output	SMT
Effect Latch	3~26.4V	Continuous Excitation	Bop:3mT	Open Collector	
Notice It is requested to	read and accept "IMPOF	TANT NOTICE" written or	the back of the front cov	ver of this catalogue	

Operational Characteristics





●Absolute Maximum Ratings (Ta=25℃)

Item	Symbol	Limit	Unit	
Supply Voltage	V _{CC}	26.4 ^(*)	v	
Output H Voltage	V _{o(off)}	V _{cc}	v	
Output L Current	Isink	10	mA	
Operating Temperature Range	Topr	-40 ~ 115	°C	
Storage Temperature Range	Tstg	-40 ~ 125	Ĵ	

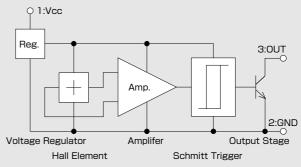
(*) Please refer to Supply Voltage Derating Curve.

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

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Voltage	V _{cc}		3	12	26.4	v
Operating Point	B _{OP}	V _{CC} =12V	1	3	6	mT
Release Point	B _{rp}	V _{CC} =12V	-6	-3	-1	mT
Hysteresis	Bh	V _{CC} =12V	2	6		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	μΑ
Supply Current	Icc	V _{CC} =12V,OUT"H"		5	6	mA
1 [mT]=10 [Gaus						

^{1 [}mT]=10 [Gauss]

Functional Block Diagram

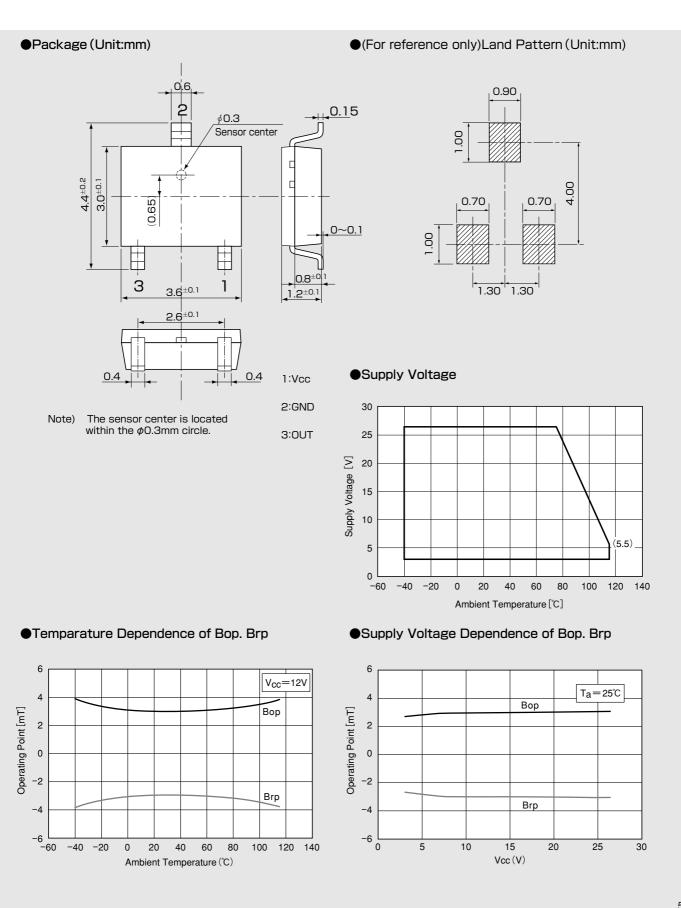


Another product type with pulled-up resistor (EW-412B). Please contact AKM to obtain the detail information.

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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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