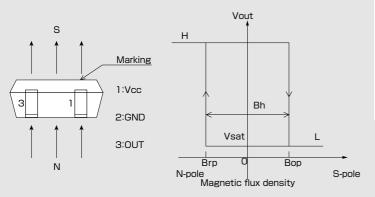


Shipped in packet-tape reel(5000pcs/Reel)

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 "IMPOR	TANT NOTICE" written or	the back of the front cov	ver of this catalogue	

### Operational Characteristics





### ●Absolute Maximum Ratings (Ta=25℃)

ltem	Symbol	Limit	Unit	
Supply Voltage	V <sub>CC</sub>	26.4 <sup>(*)</sup>	V	
Output H Voltage	V <sub>o(off)</sub>	V <sub>cc</sub>	V	
Output L Current	Isink	10	mA	
Operating Temperature Range	Topr	<i>−</i> 40 ~ 115	°C	
Storage Temperature Range	Tstg	−40 ~ 125	Ĵ	

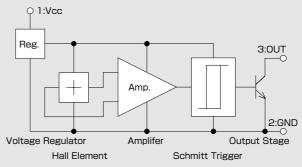
(\*) Please refer to Supply Voltage Derating Curve.

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

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Voltage	V <sub>CC</sub>		3	12	26.4	V
Operating Point	B <sub>OP</sub>	V <sub>CC</sub> =12V	1	3	6	mT
Release Point	B <sub>rp</sub>	V <sub>CC</sub> =12V	-6	-3	-1	mT
Hysteresis	Bh	V <sub>CC</sub> =12V	2	6		mT
Output Saturation Voltage	V <sub>sat</sub>	V <sub>CC</sub> =12V,OUT"L",I <sub>Sink</sub> =10mA			0.4	V
Output Leakage Current	I <sub>leak</sub>	V <sub>CC</sub> =12V,OUT"H",V <sub>OUt</sub> =12V			1	μA
Supply Current	Icc	V <sub>CC</sub> =12V,OUT"H"		5	6	mA
1[mT]=10[Gauss						

1 [mT]=10 [Gauss]

### Functional Block Diagram

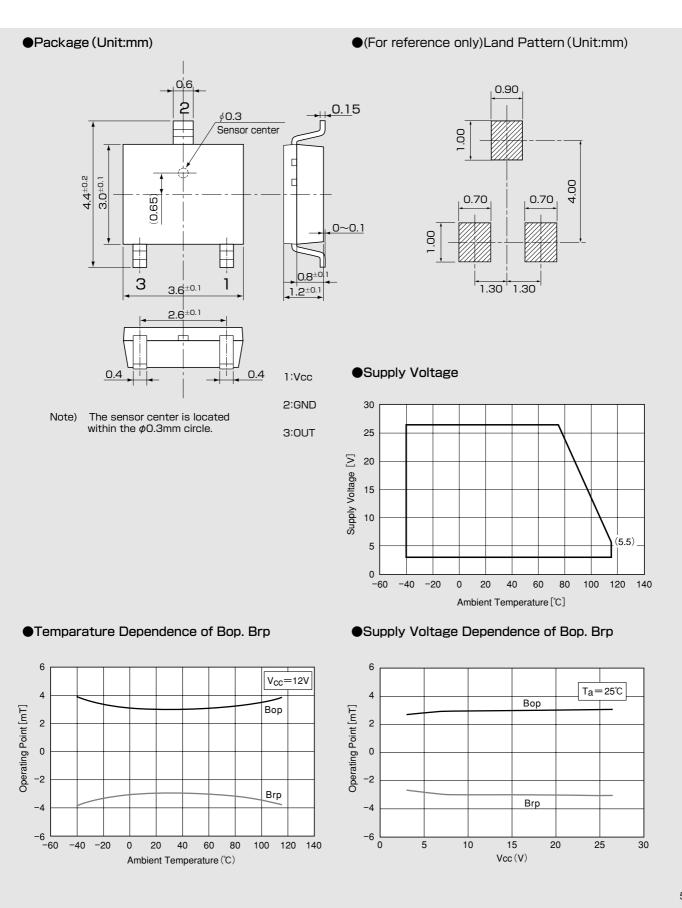


Another product type with pulled-up resistor (EW-412B). Please contact AKEMD to obtain the detail information.

# **ASAHI KASEI EMD CORPORATION**

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