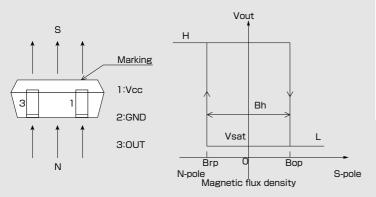
EW-412B

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

EW-412B 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 3~26.4V	Hall Element Continuous Excitation	High Sensitivity Bop:3mT	Output With Pull-up Resistor	SMT
Notice: It is requested to	pread and accept "IMPOF	TANT NOTICE" written o	n the back of the front co	ver of this catalogue.	

Operational Characteristics





●Absolute Maximum Ratings (Ta=25℃)

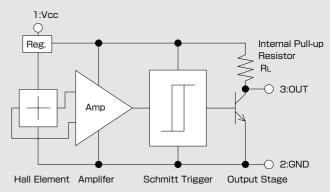
Item	Symbol	Limit	Unit	
Supply Voltage	V _{CC}	26.4 ^(*)	V	
Output H Voltage	V _{o(off)}	V _{cc}	V	
Output L Current	Isink	10	mA	
Operating Temperature Range	Topr	<i>−</i> 40 ~ 115	Ĵ	
Storage Temperature Range	Tstg	-40 ~ 125	°C	

(*) Please refer to Supply Voltage Derating Curve.

●Magnetic and Electrical Characteristics (Ta=25℃)

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"			0.4	V	
Supply Current	Icc	V _{CC} =12V,OUT"H"		5	6	mA	
Output Down Voltage	Vd	V _{CC} =12V,OUT"H"			20	mV	
Internal Load Resistance	RL		7	10	13	kΩ	
1[mT]=10[Gauss]							

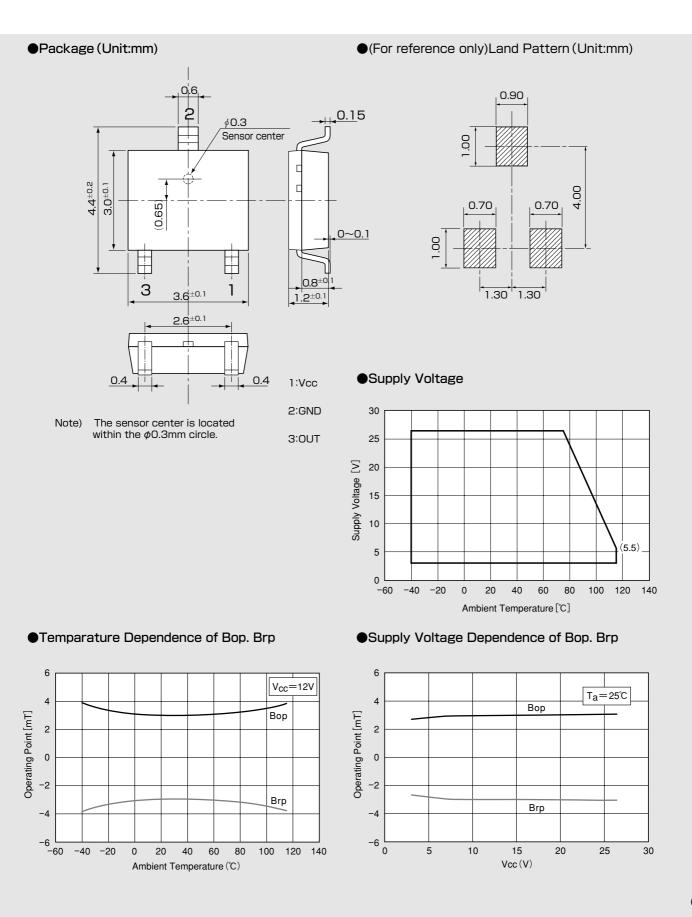
Functional Block Diagram



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