

EW-612B

Shipped in packet-tape reel(3000pcs/Reel)

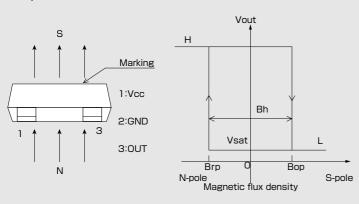
EW-612B is composed of a Ultra-high sensitive InSb Hall element and a signal processing IC chip in a package.

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 read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

Operational Characteristics



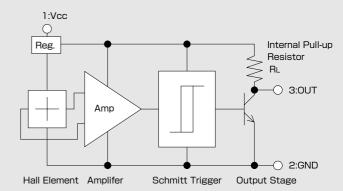


● Absolute Maximum Ratings (Ta=25°C)

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	Ĉ
Storage Temperature Range	Tstg	−40 ~ 125	°C

 $^{(\}textcolor{red}{*})\, \textbf{Please refer to Supply Voltage Derating Curve}.$

Functional Block Diagram



● 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"			0.4	V
Supply Current	Icc	V _{CC} =12V,OUT"H"		5	6	mA
Output Down Voltage	٧d	V _{CC} =12V,OUT"H"			20	mV
Internal Load Resistance	RL		7	10	13	kΩ

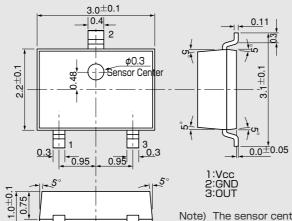
1[mT]=10[Gauss]

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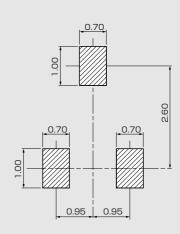
Certain applications using semiconductor devices may involve potential risks of personal injury, property damage, or loss of life. In order to minimize these risks, adequate design and operating safeguards should be provided by the customer to minimize inherent or procedural hazards. Inclusion of our products in such applications is understood to be fully at the risk of the customer using our devices or systems.

●Package (Unit:mm)

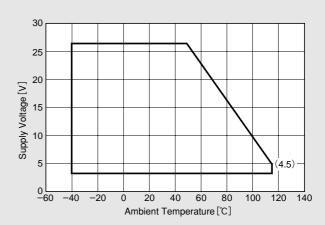
●(For reference only)Land Pattern (Unit:mm)



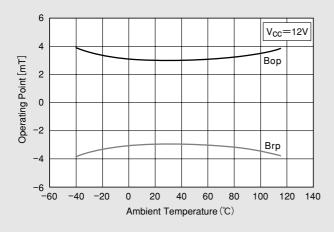




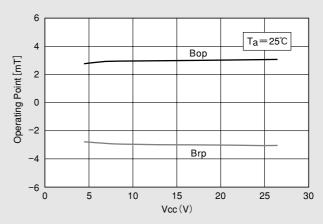
Supply Voltage



●Temparature Dependence of Bop. Brp



Supply Voltage Dependence of Bop. Brp



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