

EW-652B

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

EW-652B is composed of a Ultra-high sensitive InSb Hall element and a signal processing IC chip in a package.

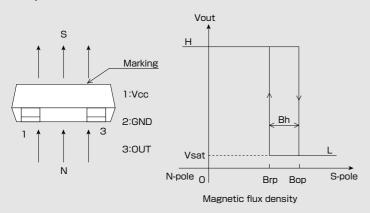
Unipolar Hall Effect Switch Supply Voltage 3~26.4V

Hall Element Continuous Excitation Standard Sensitivity
Bop:6mT

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



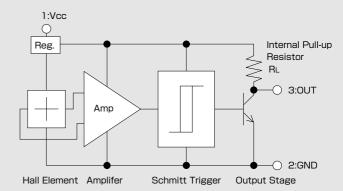


● Absolute Maximum Ratings (Ta=25°C)

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	°C		
Storage Temperature Range	Tstg	−40 ~ 125	°C		

 $^{(*) \ \}mathsf{Please} \ \mathsf{refer} \ \mathsf{to} \ \mathsf{Supply} \ \mathsf{Voltage} \ \mathsf{Derating} \ \mathsf{Curve}.$

•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	٧
Operating Point	B _{OP}	V _{CC} =12V	3	6	10	mT
Release Point	B _{rp}	V _{CC} =12V	2.5	5	9.5	mT
Hysteresis	Bh	V _{CC} =12V	0.5	1.1	2.5	mT
Output Saturation Voltage	V _{sat}	V _{CC} =12V,OUT"L"			0.4	V
Supply Current	I_{CC}	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]

•Please be aware that our products are not intended for use in life support equipment, devices, or systems. Use of our products in such applications requires the

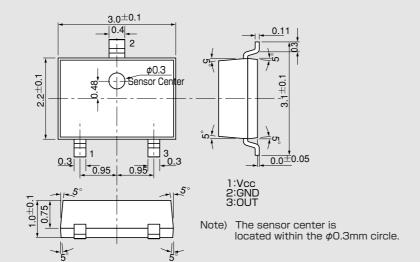
advance written approval of our sales staff.

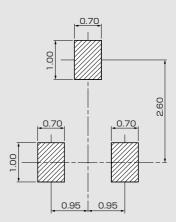
Certain applications using semiconductor devices may involve potential risks of personal injury, property damage, or loss of life. In order to minimize these risks, adequate design and operating safeguards should be provided by the customer to minimize inherent or procedural hazards. Inclusion of our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

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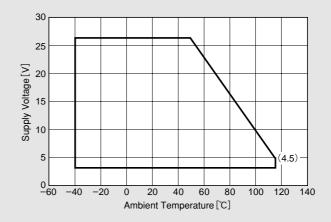
●Package (Unit:mm)

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

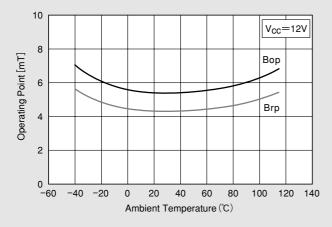




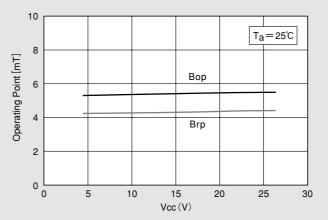
Supply Voltage



●Temparature Dependence of Bop. Brp



Supply Voltage Dependence of Bop. Brp



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