

EW-612B

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

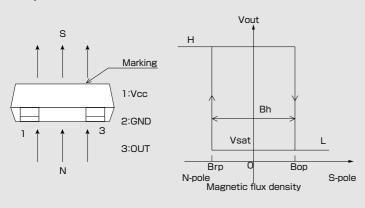
EW-612B is composed of a Ultra-high sensitive InSb Hall element and a signal processing IC chip in a package.

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



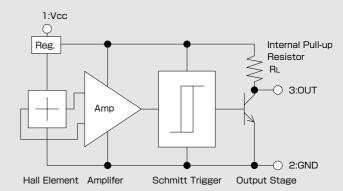


●Absolute Maximum Ratings (Ta=25°C)

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	°C	
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	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

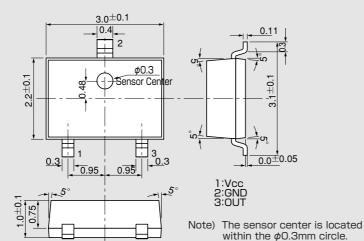
1[mT]=10[Gauss]

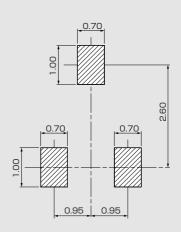
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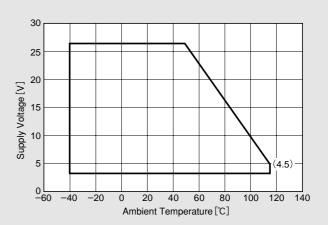
●Package (Unit:mm)

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

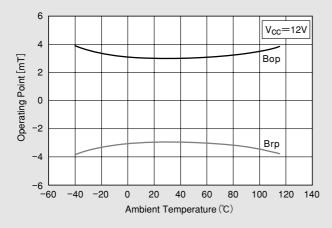




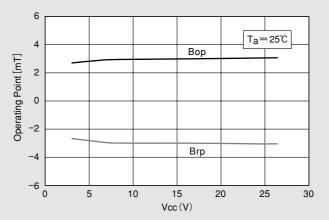
Supply Voltage



●Temparature Dependence of Bop. Brp



Supply Voltage Dependence of Bop. Brp



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