EW-650B

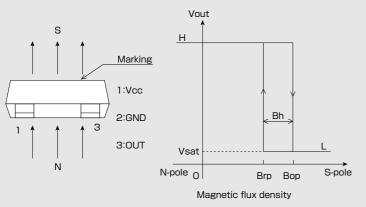
Shipped in packet-tape reel(3000pcs/Reel)

EW-650B 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 Open Collector	SMT	
Notice It is requested to	read and accent "IMPOR	TANT NOTICE" written o	n the back of the front cov	er of this catalogue		

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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	-40 ~ 115	°C	
Storage Temperature Range	Tstg	-40 ~ 125	Ĵ	

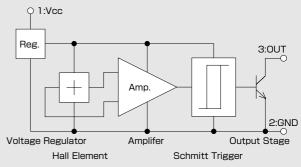
(*) Please refer to Supply Voltage Derating Curve.

●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	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	Vsat	V _{CC} =12V,OUT"L",I _{Sink} =10mA			0.4	V	
Output Leakage Curren	I _{leak}	V _{cc} =12V,OUT"H",V _{out} =12V			1	μA	
Supply Current	Icc	V _{CC} =12V,OUT"H"		5	6	mA	
1 [mT]-10[Gauss]							

1 [mT]=10 [Gauss]

Functional Block Diagram

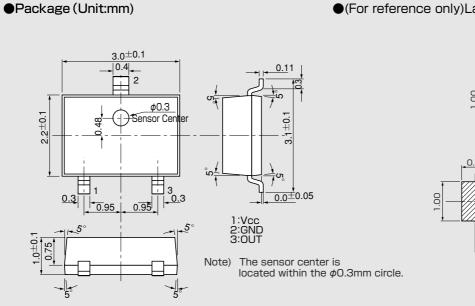


Another product type with pulled-up resistor(EW-652B). Please contact AKM to obtain the detail information.

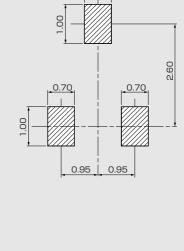
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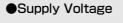
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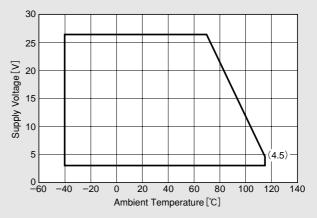




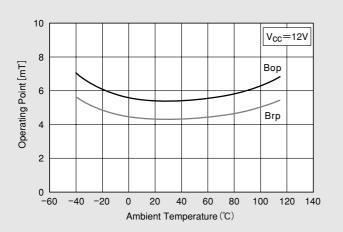


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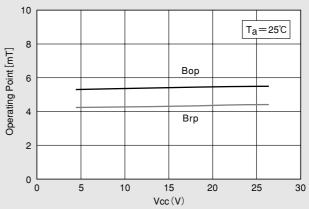








Supply Voltage Dependence of Bop. Brp



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