EW-710B

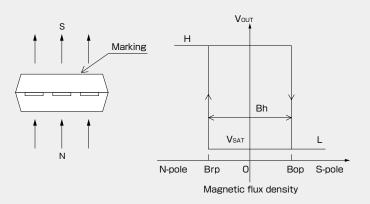
Shipped in bulk(500pcs/Bag)

EW-710B 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 Open Collector SIP
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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℃)

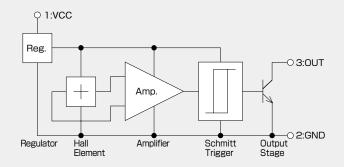
Item	Symbol	Min.	Max.	Unit	
Supply Voltage	Vcc	-0.3	26.4 ^(*)	V	
Output H Voltage	Vo(off)	-0.3	Vcc	V	
Output L Current	Isink	0	10	mA	
Storage Temperature Range	Tstg	-40	+125	°C	
(*) Please refer to Supply Voltage Derating Curve					

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Recommended Operating Conditions

Item	Symbol	Min.	Тур.	Max.	Unit
Supply Voltage	Vcc	3	12	26.4	V
Operating Temperature Range	Topr	-40	+25	+115	°C

Functional Block Diagram



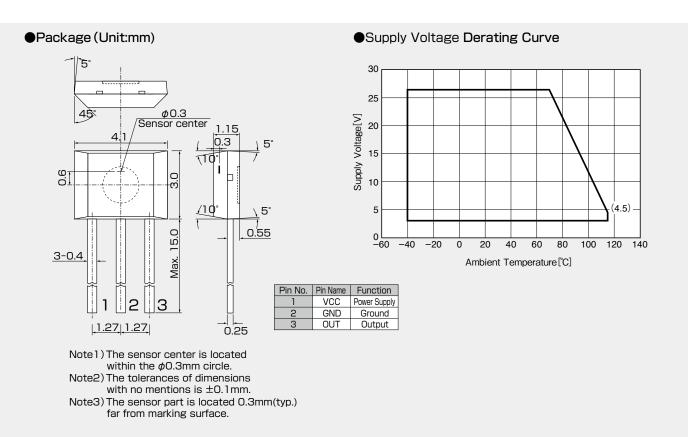
Another product type with pulled-up resistor (EW-712B). Please contact AKM to obtain the detail information.

Magnetic and Electrical Characteristics (Ta=25°C)

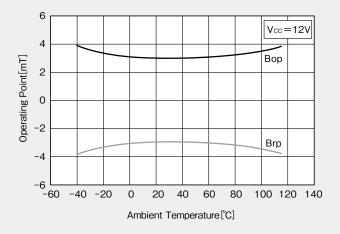
Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Operating Point	Вор	Vcc=12V	1	3	6	mT
Releasing Point	Brp	Vcc=12V	-6	-3	-1	mT
Hysteresis	Bh	Vcc=12V	2	6		mT
Output Saturation Voltage	VSAT	Vcc=12V,OUT"L", ISINK =10mA			0.4	v
Output Leakage Current	Ileak	Vcc=12V,OUT"H",Vout=12V			1	μA
Supply Current	lcc	Vcc=12V,OUT"H"		5	6	mA
1 [mT] =10 [Gauss]						

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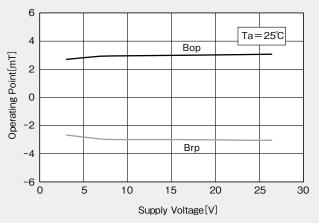
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Temperature Dependence of Bop. Brp



Supply Voltage Dependence of Bop. Brp



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