EW-732

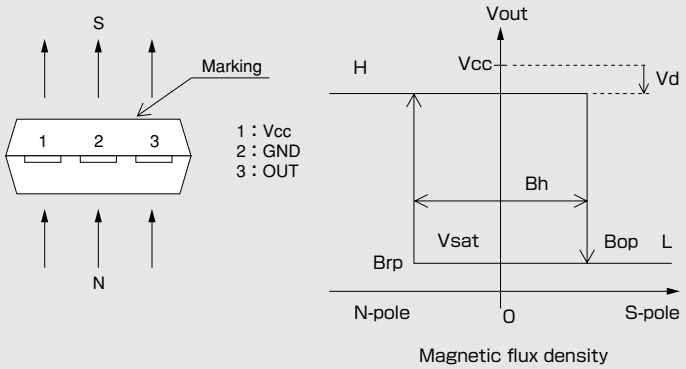
Shipped in bulk(500pcs/Reel)

EW-732 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 2.2~18V	Hall Element Continuous Excitation	High Sensitivity Bop:3mT	Output With Pull-up Resistor	SIP

Notice:It is requested to read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

●Operational Characteristics

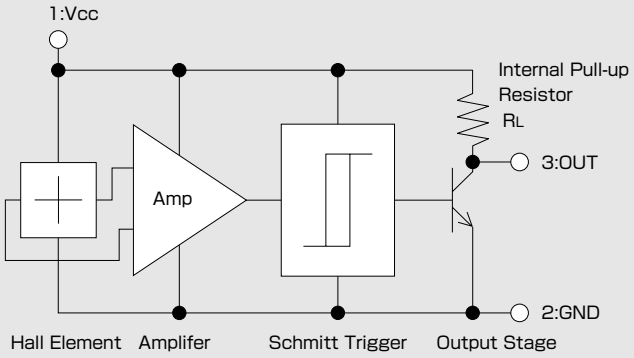


●Absolute Maximum Ratings (Ta=25℃)

Item	Symbol	Limit	Unit
Supply Voltage	V_{CC}	18(*)	V
Output H Voltage	$V_{O(off)}$	V_{CC}	V
Output L Current	Isink	12	mA
Operating Temperature Range	Topr	−30 ~ 115	℃
Storage Temperature Range	Tstg	−40 ~ 125	℃

(*) Please refer to Supply Voltage Derating Curve.

●Functional Block Diagram



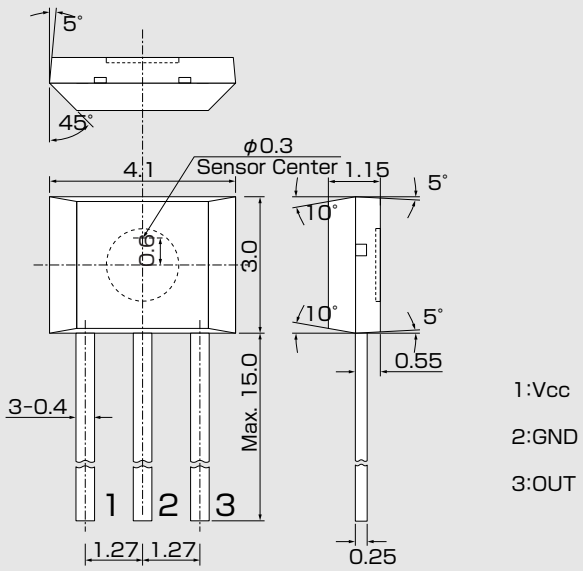
●Magnetic and Electrical Characteristics (Ta=25℃)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Supply Voltage	V_{CC}		2.2	12	18	V
Operating Point	B_{OP}	V_{CC}=12V		3	6	mT
Release Point	B_{rp}	V_{CC}=12V	-6	-3		mT
Hysteresis	B_h	V_{CC}=12V		6		mT
Output Saturation Voltage	V_{sat}	V_{CC}=12V,OUT"L"			0.4	V
Supply Current	I_{CC}	V_{CC}=12V,OUT"H"			8	mA
Output Down Voltage	V_d	V_{CC}=12V,OUT"H"			20	mV
Internal Load Resistance	R_L		6		14	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.

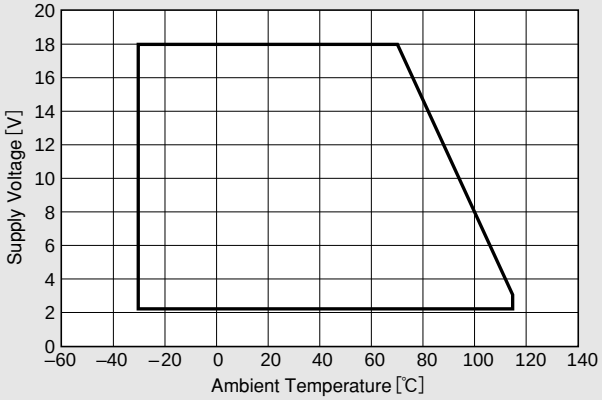
●Package (Unit:mm)



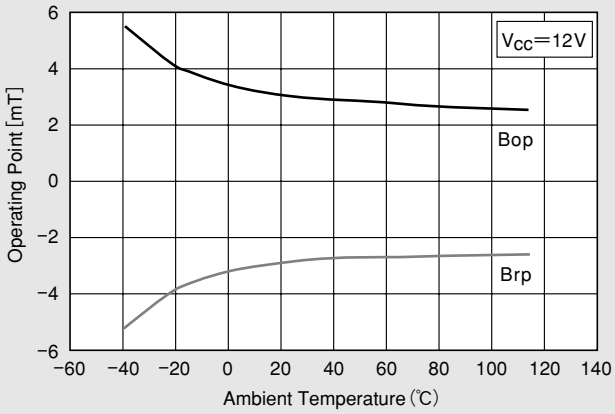
1:Vcc
2:GND
3:OUT

Note) The sensor center is located within the φ0.3mm circle.

●Supply Voltage



●Temparature Dependence of Bop. Brp



●Supply Voltage Dependence of Bop. Brp