

EW-632

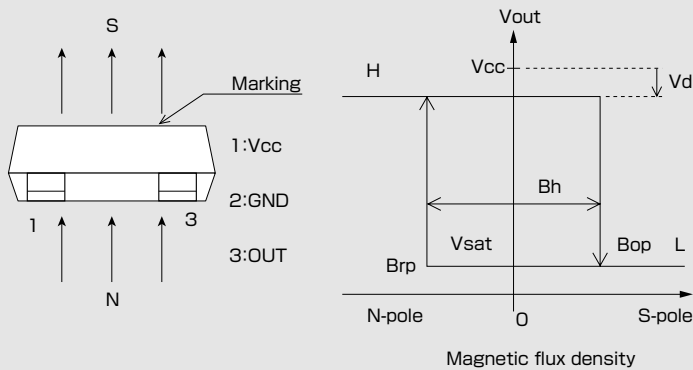
Shipped in packet-tape reel(3000pcs/Reel)

EW-632 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	SMT
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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

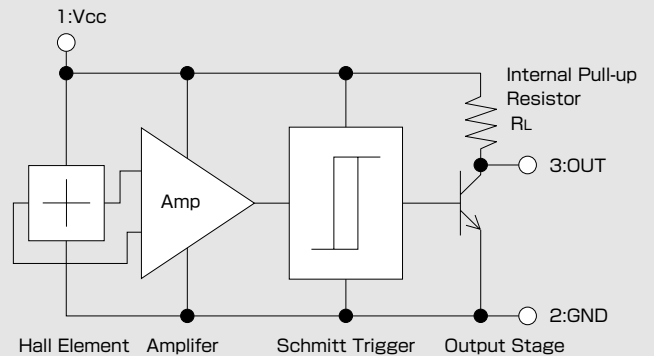


●Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Limit	Unit
Supply Voltage	V _{CC}	18 ^(*)	V
Output H Voltage	V _{O(off)}	V _{CC}	V
Output L Current	I _{sink}	12	mA
Operating Temperature Range	Topr	-30 ~ 115	°C
Storage Temperature Range	Tstg	-40 ~ 125	°C

(*) Please refer to Supply Voltage Derating Curve.

●Functional Block Diagram



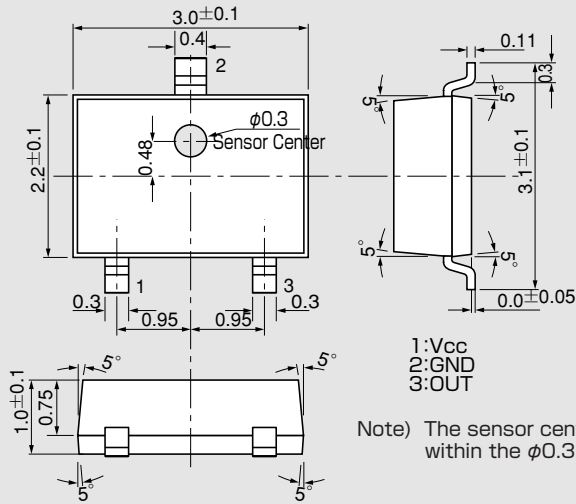
●Magnetic and Electrical Characteristics (Ta=25°C)

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

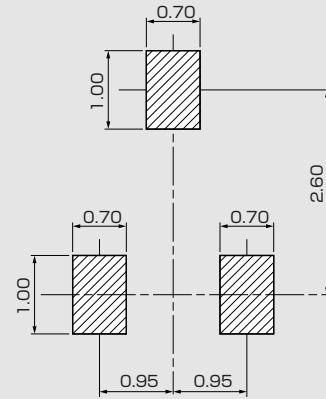
1 [mT]=10 [Gauss]

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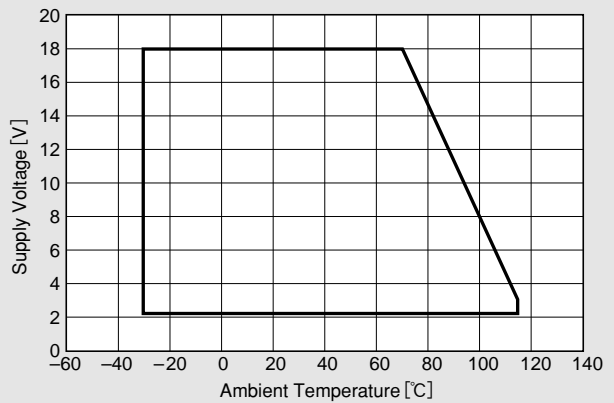
●Package (Unit:mm)



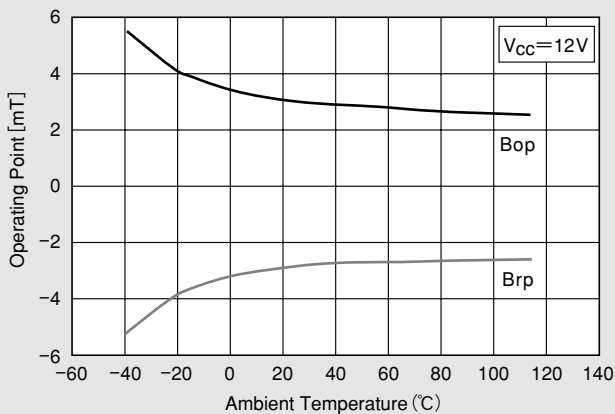
●(For reference only)Land Pattern (Unit:mm)



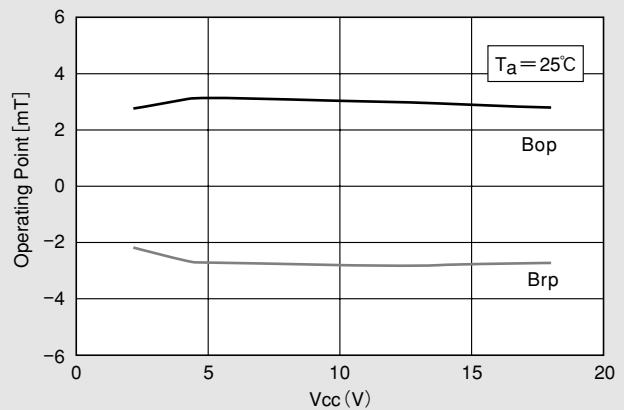
●Supply Voltage



●Temperature Dependence of Bop, Brp



●Supply Voltage Dependence of Bop, Brp



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June 2, 2010