EZ-470

Shipped in packet-tape reel(5000pcs/Reel)

EZ-470 is composed of an InAs Hall Element and a signal processing IC chip in a package

Unipolar Hall Effect Latch

Supply Voltage 2~24V

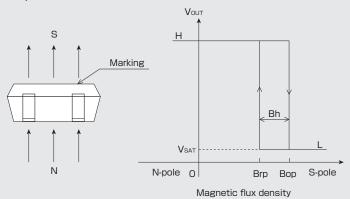
Hall Element Continuous Excitation

Ultra Low Sensitivity Bop:26mT

Output Open Collector 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℃)

Item	Symbol	Min.	Max.	Unit
Supply Voltage	Vcc	-0.3	28 (*)	V
Output H Voltage	Vo(off)	-0.3	Vcc	V
Output L Current	Isink	0	10	mA
Storage Temperature Range	Тѕтс	-40	+150	°C

(*) Please refer to Supply Voltage Derating Curve.

Recommended Operating Conditions

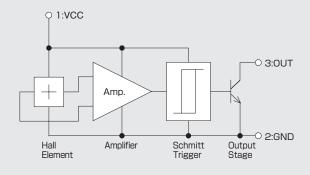
	Item		Symbol	Min.	Тур.	Max.	Unit
S	Supply Vo	Itage	Vcc	2	12	24 (*)	V
Op	perating Temperati	ure Range	Topr	-40	+25	+125	°C

(*) Please refer to Supply Voltage Derating Curve.

●Electrical Characteristics (Ta=-40~+125°C, Vcc=2~24V) ●Magnetic Characteristics (Ta=-40~+85°C, Vcc=2~24V)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Supply Current	ILEAK	OUT="H"			10	μΑ
Output Saturation Voltage	VSAT	OUT="L", lout=10mA			0.8	٧
Supply Current	Icc	OUT="H"		3	6	mA

Functional Block Diagram



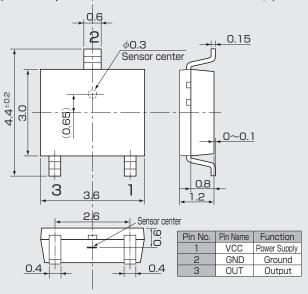
Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Operating Point	Вор		21	26	33	mT
Releasing Point	Brp		14	20	25	mT
Hysteresis	Bh		4	6	11	mT

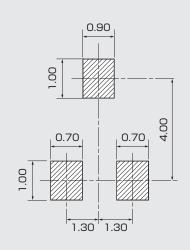
а

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•This product contains galium arsenide(GaAs).Handling and discarding precautions required.



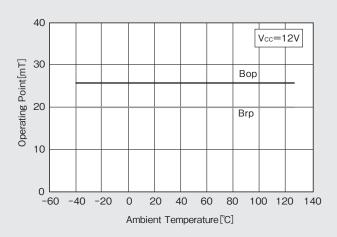


Note 1) The sensor center is located within the ϕ 0.3mm circle.

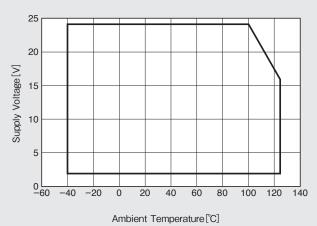
Note2) The tolerances of dimensions with no mentions is ± 0.1 mm.

Note3) The sensor part is located 0.6mm(typ.) far from marking surface.

●Temperature Dependence of Bop. Brp



Supply Voltage



0

h

p

q

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