ASAHI KASEI MICRODEVICES

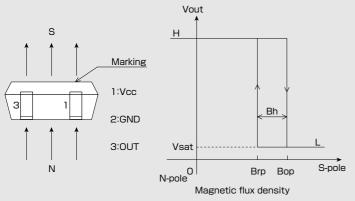
EZ-470

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 "IMPOF	TANT NOTICE" written or	n the back of the front cov	er of this catalogue.	

Operational Characteristics





●Absolute Maximum Ratings (Ta=25℃)

Item	Symbol	Limit	Unit	
Supply Voltage	V _{CC}	28 ^(*)	V	
Output H Voltage	V _{o(off)}	V _{cc}	V	
Output L Current	Isink	10	mA	
Operating Temperature Range	Topr	$-40 \sim 125$	°C	
Storage Temperature Range	Tstg	$-40 \sim 150$	°C	

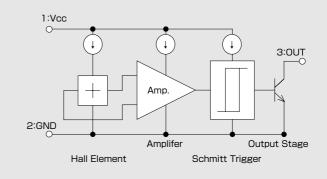
(*) Please refer to Supply Voltage Derating Curve.

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

Item Sym		Conditions	Min.	Тур.	Max.	Unit
Supply Current	V _{CC}		2	12	24 ^(*1)	v
Output Leakage Current	I _{leak}	OUT="H"			10	μA
Output Saturation Voltage	Vsat	OUT="L", I _{out} =10mA			0.8	v
Supply Current	Icc	OUT="H"		3	6	mA

(*) Please refer to Supply Voltage Derating Curve.

Functional Block Diagram



●Magnetic Characteristics (Ta=-40~85℃, Vcc=2~24V)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Operating Point	B _{op}		21	26	33	mT
Release Point	B _{rp}		14	20	25	mT
Hysteresis	B _n		4	6	11	mT

 $(\ensuremath{\boldsymbol{\ast}})$ Please refer to Supply Voltage Derating Curve.

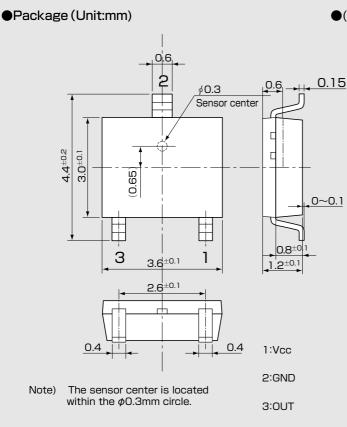
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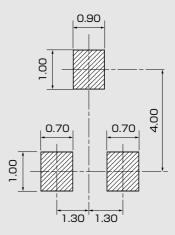
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Certain applications using semiconductor devices may involve potential risks of personal injury, property damage, or loss of life. In order to minimize these risks, adequate design and operating safeguards should be provided by the customer to minimize inherent or procedural hazards. Inclusion of our products in such

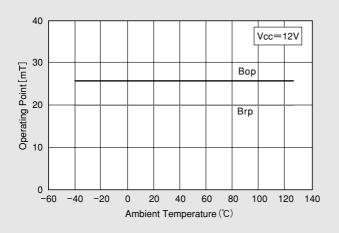
•This product contains galium arsenide(GaAs).Handling and discarding precsutions required.



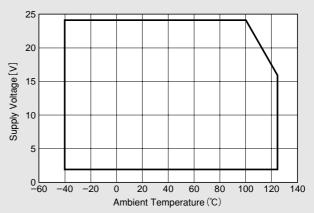
●(For reference only)Land Pattern (Unit:mm)



•Temparature Dependence of Bop. Brp



•Supply Voltage



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