EW-410, EW-510

BIPOLAR HALL EFFECT LATCHES

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

ASAHI HALL EFFECT ICs

ASAHI KASEI ELECTRONICS Hall Effect ICs are composed of a Ultla-high sensitive InSb Hall element and a signal processing IC chip in a package. ASAHI KASEI ELECTRONICS Hall Effect ICs have high sensitivity and good stability

FEATURES

High Sensitivity (Bop:1mT to 6mT)

4.5V to 18V Operation

Highly Resistant to Mechanical Stress

Stable Operation in Broad Temperature Range

Compact Size

Open Collector

APPLICATIONS

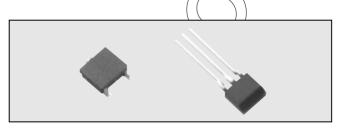
Rotor Position Sensor for Precision Motors.

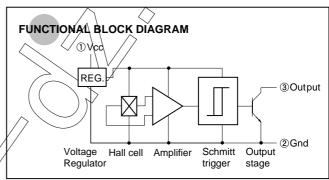
Stroke Sensor

Proximity Switch

Encorder

Current Switch etc.





ABSOLUTE MAXIMUM RATINGS(Ta = 25)

		. ,	Δ
Item	Symbol	Limit	Unit
Supply Voltage *1	Vcc	18	K/
Output "OFF" Voltage	Vo(off)	18	4
Output "ON" Current	I sink	15	mA <
Operating Temperature Range	Topr	- 30~ + 115	
Storage Temperature Range	Tstg	- 40~ +125	

^{*1:}Please refer to(Fig 1) DERATING CURVE

OPERATIONAL Vout CHARACTER-ISTICS Mark S Н 1 1 1 1 Bh Brp Bop Vsat 1111 0 Ν Magnetic flux density

ELECTRICAL CHARACTERISTICS Ta = 25 , Vcc = 4.5 ~ 18V DC.)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Operate Point	Bop	Vcc=12V	1		6	mT
Release Point	Brp	Vcc=12V	- 6		- 1	mT
Hysteresis	Bh		2			mT
Output Saturation Voltage	Vsat	Output"L", I sink=10mA			0.4	V
Supply Current	I cc	Output"H", Vcc=12V			8	mA
Output Leakage Current	I leak	Output"H", Vo=12V			1	μA

1mT = 10Gauss

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