EW-460, EW-560

UNIPOLAR HALL EFFECT SWITCHES

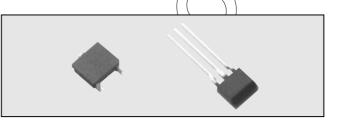
Note : It is requested to read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

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.

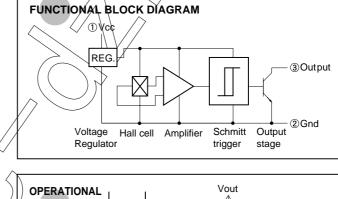
FEATURES

Bop(max):6mT 4.5V to 18V Operation Highly Resistant to Mechanical Stress Stable Operation in Broad Temperature Range Compact Size Open Collector



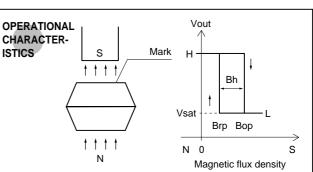
APPLICATIONS

Rotor Position Sensor for Precision Motors. Stroke Sensor Proximity Switch Encorder Current Switch etc.



ABSOLUTE MAXIMUM RATINGS(Ta = 25)

Symbol	Limit	Unit
Vcc	18	VY
Vo(off)	18	×
I sink	15	mA
Topr	- 30~ + 115	
Tstg	- 40~ + 125 🔿	,
	Vcc Vo(off) I sink Topr	Vcc 18 Vo(off) 18 I sink 15 Topr - 30 ~ + 115



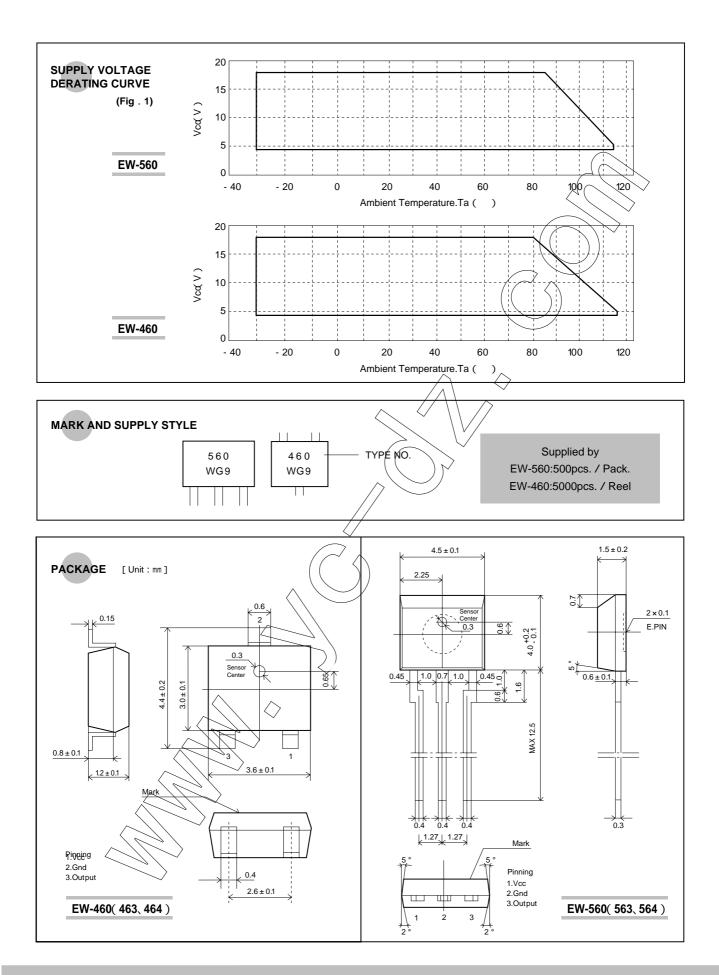
* 1:Please refer to(Fig 1) DERATING CURVE

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

ltem	Symbol	Conditions	Min.	Тур.	Max.	Unit
Operate Point	BOD	Vcc=12V			6	mT
Release Point	Brp	Vcc=12V	0.5			mT
Hysteresis	Bh		0.2			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

Please be aware that AKE products are not intended for use in life support appliances, devices, or systems. Use of AKE products in such applications requires the written approval of the appropriate AKE officer. Certain applications using semiconductor devices may involve potential risks of personal injuly, 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 therein therein to indicate the customer to an indice. Bedieves or systems.



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