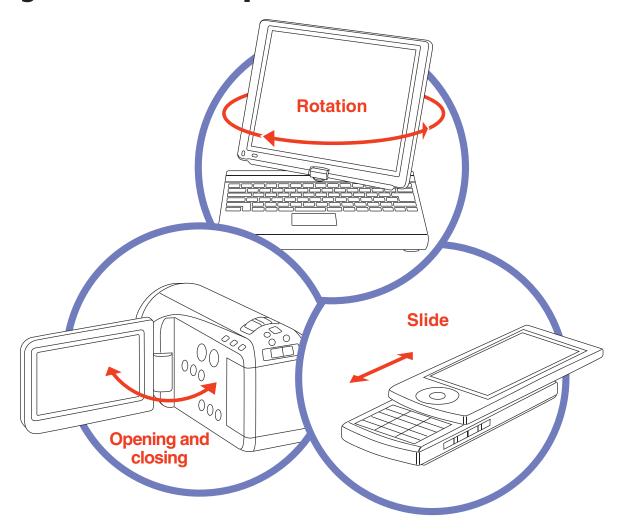
Highly Reliable Magnetic Sensor Switching Output Type





HGDE □ Series

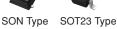
Compact and low current consuming magnetic sensor responds to various movements.



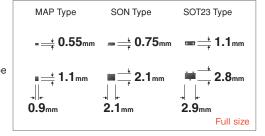
Line-up of low drive voltage type and various package specifications.

- \bullet Small and thin shape (MAP type: 1.1×0.9×0.55mm)
- Low current consumption (3.0 μ A at VDD=1.8V)
- Low drive voltage type 1.8V Typ. (1.6V min. to 3.6V max.)
- Rich line-ups (functions, operating magnetic field and package specifications).









Highly Reliable Magnetic Sensor Switching Output Type



HGDE□ Series



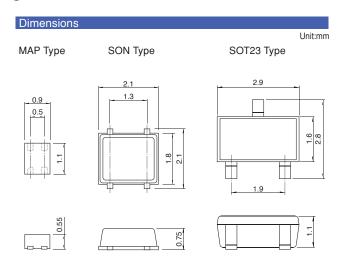
Wider variety contributes to improving set design flexibility.

Applications

To detect opening and closing of lids and doors on all kinds of consumer equipment such as mobile phones, notebook PCs and digital camcorders

Typical Specifications				
Items Specifications				
Drive voltage	Typ. 1.8V(1.6V min. to 3.6V max.)			
Current consumption	3.0 μ A Ave.(at VDD=1.8V)			

Products List					
Package Specifications/ Size	Function	Product Number	Operating magnetic field		
MAP Type 1.1×0.9×0.55mm	Single Polarity/Single Output	HGDESM			
	Dual Polarity/Single Output	HGDEPM			
	Dual Polarity/Dual Output	HGDEDM			
SON Type 2.1×2.1×0.75mm	Single Polarity/Single Output	HGDESN	Hon 2.0mT		
	Dual Polarity/Single Output	HGDEPN	Hon 3.0mT		
	Dual Polarity/Dual Output	HGDEDN			
SOT23 Type 2.9×2.8×1.1mm	Single Polarity/Single Output	HGDEST			
	Dual Polarity/Single Output	HGDEPT			

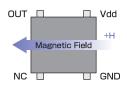


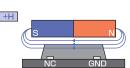
ALPS

M

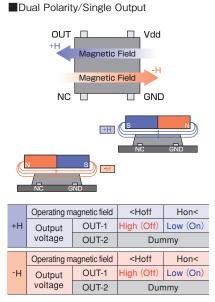
Function Variety

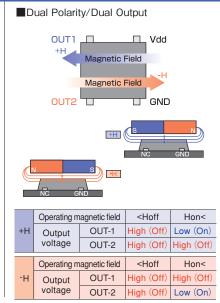
■Single Polarity/Single Output





Operating m		agnetic field	<hoff< td=""><td>Hon<</td></hoff<>	Hon<		
+H	+H Output voltage	OUT-1	High (Off)	Low (On)		
		OUT-2	Dummy			
Operating m -H Output	agnetic field	<hoff< td=""><td>Hon<</td></hoff<>	Hon<			
	Output	OUT-1	High (Off)	High (Off)		
- 11	Output		0	9 1- /		





Cautions for Use

- 1. The specifications herein are an overview of the specifications. Obtain official specifications before use
- 2. Unless specifically indicated otherwise, products herein have been designed and manufactured for use in ordinary electronic equipment, such as AV equipment, electric home appliances, office machines and communication equipment. In case of using the products for highly sensitive applications such as medical, aviation, aerospace and security, the set makers shall require to include measures necessary to meet product safety requirements of such specific applications. Such measure may include additional protection circuits and redundant circuits, for example.
- The external appearance, performances, and other properties of the product are subject to change for improvement without prior notice. The product introduced in this catalog may be discontinued without prior notice.
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