

Switching Output Type

HGDE*/HGDF* Series

High reliability with a compact, thin profile based on magnetic sensing device technology.



■ Type: Switching (Surface mount)

Applications: Game: Virtual/augmented reality
 Healthcare: Healthcare equipment, Nursing care equipment,
 Analysis, test equipment
 Home: Major home appliances
 Audio_TV: Visual, Audio, Pro audio, Cameras
 Mobile: Notebooks, peripherals

■ Product List

Products No.	Package specifications	Function	Operating magnetic field	Drive voltage	Current consumption	Size (mm)	Automotive	Drawing No.
HGDESM013A	MAP type	Single polarity/Single output	1.3mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	1.3×0.9×0.525	—	1
HGDEPM013A	MAP type	Dual polarity/Single output	1.3mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	1.3×0.9×0.525	—	
HGDEDM013A	MAP type	Dual polarity/Dual output	1.3mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	1.3×0.9×0.525	—	
HGDESM023A	MAP type	Single polarity/Single output	2.0mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	1.3×0.9×0.525	—	
HGDESM033A	MAP type	Single polarity/Single output	3.0mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	1.3×0.9×0.525	—	
HGDEST021B	SOT23 type	Single polarity/Single output	2.0mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	2.9×2.8×1.1	—	2
HGDEPT021B	SOT23 type	Dual polarity/Single output	2.0mT	Typ. 1.8V (1.6V min. to 3.6V max.)	3μA Ave (at VDD=1.8V)	2.9×2.8×1.1	—	
HGDFST021B	SOT23 type	Single polarity/Single output	2.0mT	Typ. 5V (4.5V min. to 5.5V max.)	Typ. 1.65mA (at VDD=5V)	2.9×2.8×1.1	—	3
HGDFPT021B	SOT23 type	Dual polarity/Single output	2.0mT	Typ. 5V (4.5V min. to 5.5V max.)	Typ. 1.65mA (at VDD=5V)	2.9×2.8×1.1	—	

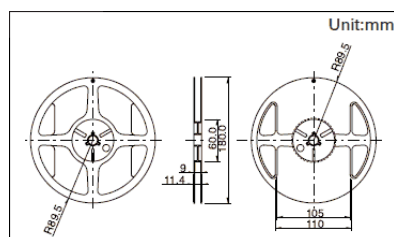
⚠ Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. High and low sensitivity types also available. Please contact us for details.
4. Some products can be provided halogen-free. Please contact us for details.

■ Packing Specifications

Taping

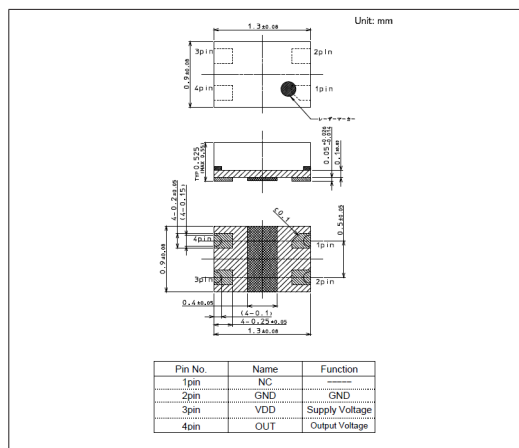
Number of packages (pcs.)			Tape width (mm)	Export package measurements (mm)
1 reel	1 case / Japan	1 case / export packing		
3,000	3,000	45,000	8	210 x 210 x 230



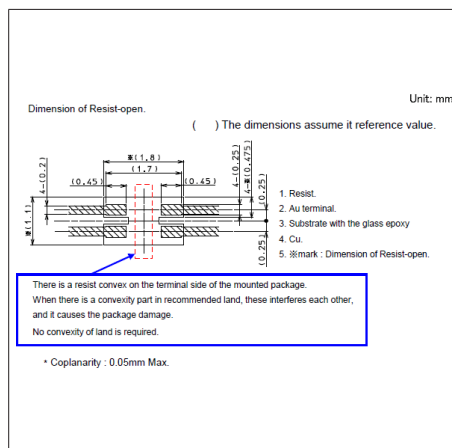
Switching Output Type HGDE*/HGDF* Series

Drawing No.1

■ Dimensions

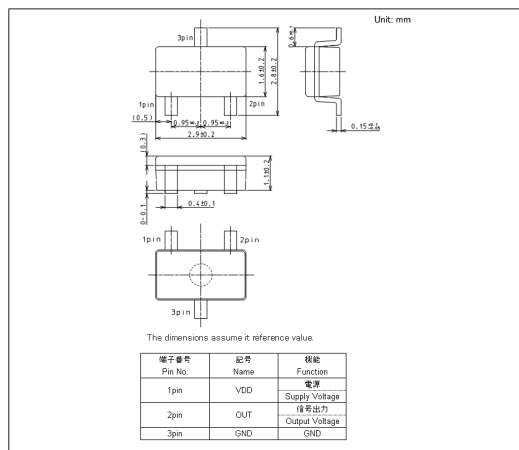


■ Land Dimensions

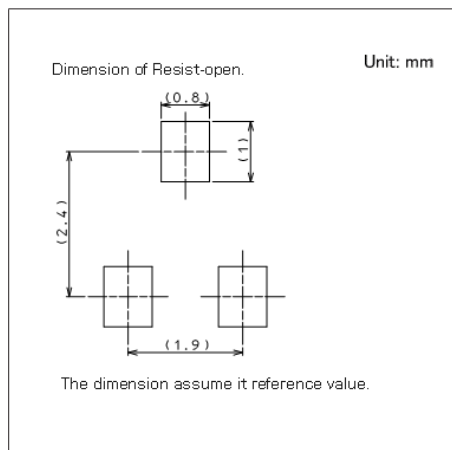


Drawing No.2

■ Dimensions

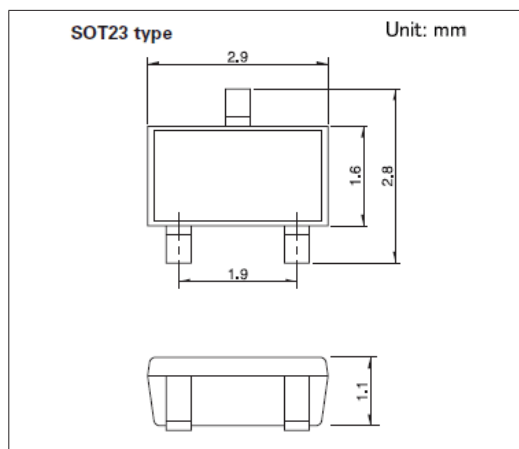


■ Land Dimensions



Drawing No.3

■ Dimensions



■ Land Dimensions

