

Magnetic Sensors Latch Output Type

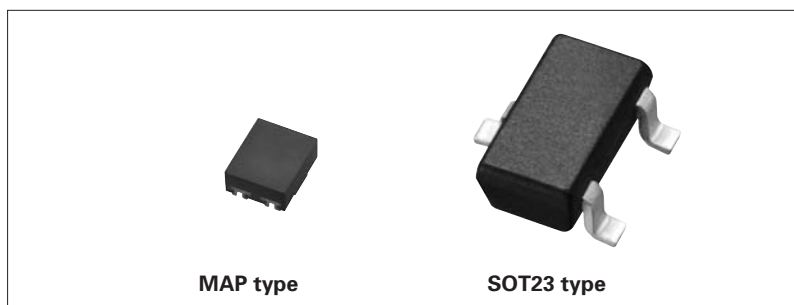
HGP□P Series

Best suited for rotation mechanism using the small size and high precision latch output type.

Magnetic Sensor

Piezo Sensor

Resistive Sensor



MAP type

SOT23 type



Features

- Small size and low profile (1.3×0.9×0.55mm for the MAP Type).
- Adoption of high-sensitivity elements contributes to improved margin in the magnet gap design.
- Low consumption current (10μA at VDD=1.8V).

Applications

- Detection of rotation speed and rotation direction for motors and flow meters, etc., as well as dial input of all types of consumer products, including mobile devices, electronic home appliances.

Typical Specifications

Items	Specifications		
	HGPJPM	HGPHPM	HGPFPT
Drive voltage	Typ. 1.8V (1.6V min. to 3.6V max.)		Typ. 5V (4.5V min. to 5.5V max.)
Sampling period	1.3m sec	320μ sec	35μ sec
Current consumption	10μA Ave. (at VDD= 1.8V)	35μA Ave. (at VDD= 1.8V)	2mA Ave. (at VDD= 5V)

Product list

Drive voltage	Package Specifications/Size	Function	Model No.	Operating magnetic field
Typ. 1.8V	MAP type 1.3×0.9×0.55mm	1-phase alternating output Sampling period : 1.3m sec	HGPJPM001A	Hon:+1mT Hoff:-1mT
		1-phase alternating output Sampling period : 320μ sec	HGPHPM001A	
Typ. 5V	SOT23 type 2.9×2.8×1.1mm	1-phase alternating output Sampling period : 35μ sec	HGPFPT001A	

Dimensions

Unit:mm

Style	
MAP type	SOT23 type
<p>Top view dimensions: 0.9mm (width), 0.5mm (height), 1.3mm (length). Side view dimensions: 0.55mm (height).</p>	<p>Top view dimensions: 2.9mm (width), 1.6mm (height), 1.9mm (length). Side view dimensions: 1.1mm (height).</p>