

Magnetic Sensors

Series	Type	Package specification	Output	Supply voltage	Operating magnetic field
HGDE Unit:mm	Switching	MAP (※1)	Single polarity / Single output Dual polarity / Single output Dual polarity / Dual output	1.6 to 3.6V	Hon 2.0mT (※2)
		SOT23	Single polarity / Single output Dual polarity / Single output		
HGDF 		SOT23	Single polarity / Single output Dual polarity / Single output	4.5 to 5.5V	
HGDVST 	Switching	SOT-23-5	Single polarity / Single output	3.0 to 30.0V	2mT
HGPRDT 	Encoder	SOT-23-5	2-phase alternating output (Flexible pitch)	3.0 to 30.0V	—
HGARAM 	Linear	MAP	Analog output	1.5 to 5.5V	—
HGARAP 	Angle	MSOP-8	Analog 2-phase (SIN/COS)	5.5V max.	—
HGARAN 		DFN			

※ 1 Some products can be provided halogen-free. Please contact an Alps sales representative for details.

※ 2 High and low sensitivity types are also available. Please contact an Alps sales representative for details.

Humidity Sensors

Series	Type	Humidity range	Operating temperature range	Output	Supply voltage
HSHCAA Unit:mm	Relative humidity (Surface mount)	0 to 100% RH	−10 to +85°C	Analog	2.2 to 3.6V
	Relative humidity (Module)	20 to 95% RH	−20 to +60°C		4.95 to 5.05V
	Relative humidity (Module with moisture-resistant coating)	0 to 100% RH			4.75 to 5.25V
HSHCAL 	Relative humidity (Surface mount)	0 to 100% RH	−20 to +85°C	Digital (1°C)	1.71 to 1.89V
	Relative humidity (Module with moisture-resistant coating)				2.5 to 5.5V