

Magnetic Sensors

Series	Type	Package specification	Output	Supply voltage	Operating magnetic field
HGDE 	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	—
HGARAN 	Angle	DFN	Analog 1-phase (SIN, linear)	5.5V max.	—
			MSOP-8		
		TSSOP-8			
HGARAP 					
HGARPS 		TSSOP-16	Analog 2-phase (SIN/COS) ×2		

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

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

※ 3 For the timing of the start of mass production, please contact an Alps Alpine sales representative.

Humidity Sensors

Series	Type	Humidity range	Operating temperature range	Output	Supply voltage
HSHCAA 	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 ~ +85°C	Digital (1°C)	1.71 to 1.89V
	Relative humidity (Module with moisture-resistant coating)				
HSHCAD 	Relative humidity (Module, high accuracy)		−25 to +85°C		2.4 to 5.5V