Sensors

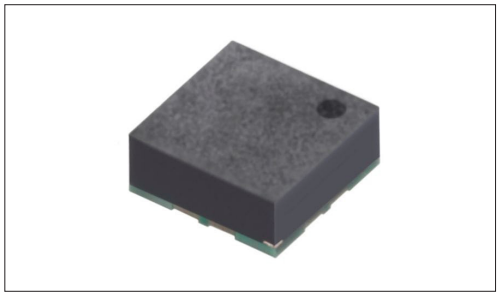
Geomagnetic Sensors

List of Varieties

Series		HSCD
Photo		
Type		Electric compass
Dimensions (mm)		1.55×1.55×0.62 16pin LGA
Operating voltage	AVDD: Drive voltage	+1.6 to +2.0V
	DVDD_io: Drive voltage	+1.14 to AVDD
Operating magnetic field		±2.4mT
Current consumption		369μA typ. (ODR=100 Hz) 19μA typ. (stanby)
Operating temperature range		-40℃ to +85℃
Interface		I²C
Automotive		—

Geomagnetic Type
HSCD Series

High azimuth accuracy and low current consumption.



■ Type:Electric compass

Applications:Mobile:Smartphones, tablets,Headsets, wearables
Energy_Industrial:Robots, drones,Industrial equipment, Converters
Game:Home handheld consoles,Virtual/augmented reality
Healthcare:Healthcare equipment,Nursing care equipment, Analysis, test equipment
Audio_TV:Visual,Audio,Pro audio,Cameras

■ Product List

Products No.	Measurement range	Interface	Operating voltage		Current consumption	Size (mm)	Automotive	Drawing No.
			AVDD: Drive voltage	DVDD_io: Drive voltage				
HSCDTD015A	±2.4mT	I²C	+1.6 to +2.0V	+1.14 to AVDD	369μA typ. (ODR=100 Hz) 19μA typ. (stanby)	1.55×1.55×0.62 16pin LGA	—	1

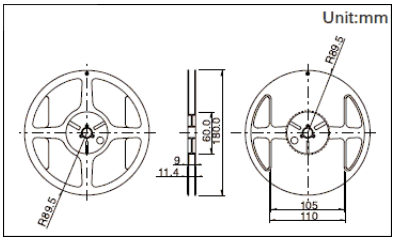
⚠Note

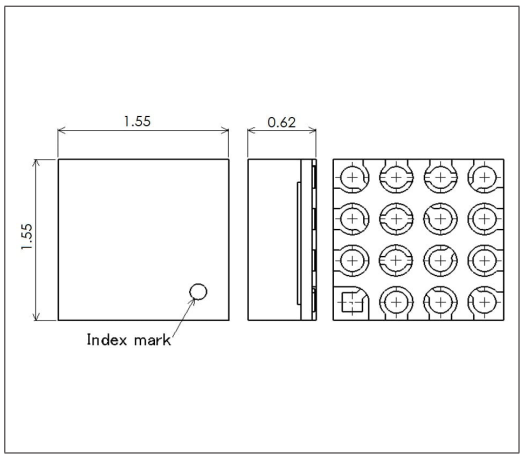
1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Place your purchase order in N minimum package units (N: integer).
3. Azimuth accuracy (margin of error) may be influenced by environmental conditions and other devices.

■ 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	210×210×230



Drawing No.1

■ Dimensions