

InSb Hall Element

Differential Analog Output Hall Element



AS300B

● General Description

This is a ultra-high sensitivity type of ANGSemi hall element using evaporated InSb film. It performs effectively in low magnetic fields due to the high sensitivity. The input and output resistance values are suitable for transistor circuits.

The device is available in SIP-4L package and is rated over the -40°C to 125°C. The all packages are RoHS and Green compliant.

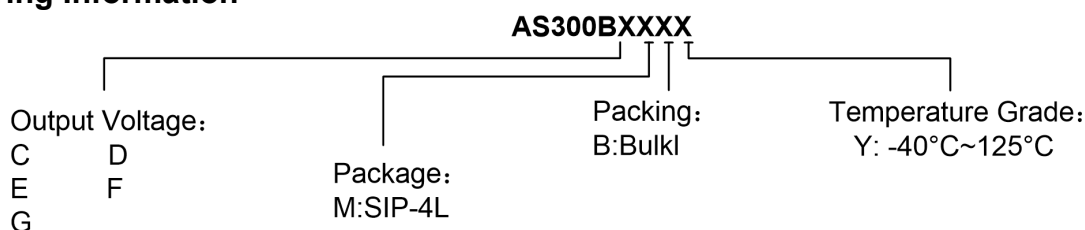
● Features

- Ultra-High sensitivity InSb Hall Element
- Shipped in Package tape Real
- Differential Analog output
- Output Hall Voltage (mV)
 - C: 168mV to 204mV (C)
 - D: 196mV to 236mV (D)
 - E: 228mV to 274mV (E)
 - F: 266mV to 320mV (F)
 - G: 310mV to 370mV (G)
- RoHS & Green Compliant
- Thin 4pin SIP Packages
- -40°C to +125 °C Temperature Range

● Applications

- Brushless DC Motor
- Other small precision motors
- DVD, CD-ROM, floppy disk drive
- Non-contacting, rotation sensors, current sensors
- Magnetic flux sensors other than those above

■ Ordering Information



Part Number	Output Hall Voltage (mV, B=50mT, VC=1V)	Package Type	Package Qty	Temperature	Eco Plan
AS300BCMBY	168 to 204	SIP-4L	Bulk 500pcs/package	-40~125°C	Green
AS300BDMBY	196 to 236	SIP-4L	Bulk 500pcs/package	-40~125°C	Green
AS300BEMBY	228 to 274	SIP-4L	Bulk 500pcs/package	-40~125°C	Green
AS300BFMBY	266 to 320	SIP-4L	Bulk 500pcs/package	-40~125°C	Green
AS300BGMBY	310 to 370	SIP-4L	Bulk 500pcs/package	-40~125°C	Green