

InSb Hall Element

Differential Analog Output Hall Element



AS102A

● General Description

This is a 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 SOT23-4L package and is rated over the -40°C to 125°C. The all packages are RoHS and Green compliant.

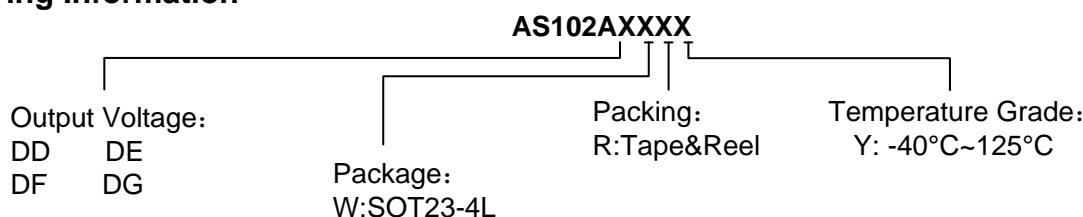
● Features

- High sensitivity InSb Hall Element
- Shipped in Package tape Reel
- Differential Analog output
- Output Hall Voltage (mV)
 - D: 196mV to 236mV (DD)
 - E: 228mV to 274mV (DE)
 - F: 266mV to 320mV (DF)
 - G: 310mV to 370mV (DG)
- RoHS & Green Compliant
- Thin 4pin SMT SOT23 Packages
- -40°C to +125 °C Temperature Range

● Applications

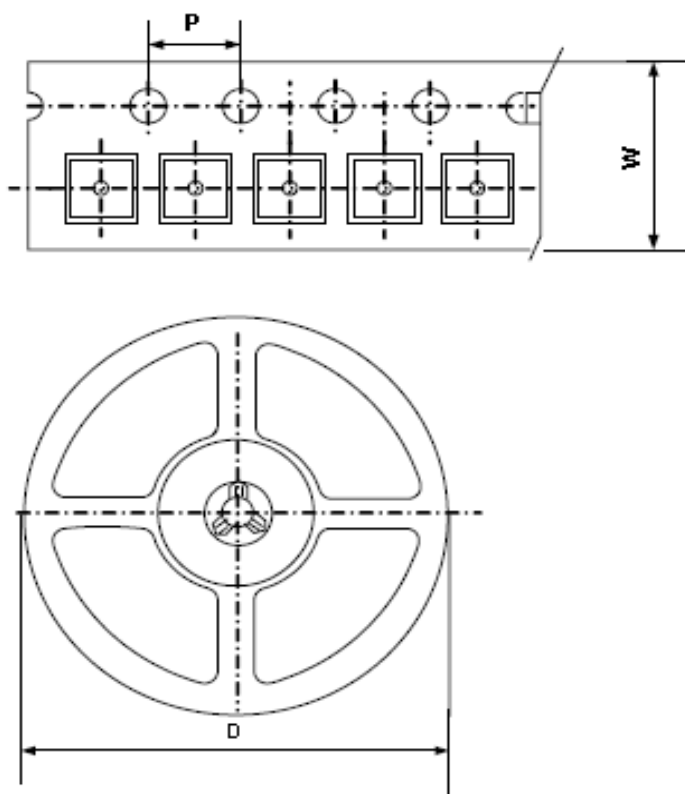
- Brushless DC Motor
- Other small precision motors
- DVD, CD-ROM, floppy disk drive
- Non-contacting, rotation sensors, current sensors
- Magnetic flux sensors other than those above

■ Ordering Information



Part Number	Output Hall Voltage (mV, B=50mT, VC=1V)	Package Type	Package Qty	Temperature	Eco Plan
AS102ADDWRY	196 to 236	SOT23-4L	7-in reel 3000pcs/reel	-40~125°C	Green
AS102ADEWRY	228 to 274	SOT23-4L	7-in reel 3000pcs/reel	-40~125°C	Green
AS102ADFWRY	266 to 320	SOT23-4L	7-in reel 3000pcs/reel	-40~125°C	Green
AS102ADGWRY	310 to 370	SOT23-4L	7-in reel 3000pcs/reel	-40~125°C	Green

■ Packing Information



Package Type	Carrier Width(W)	Pitch(P)	Reel Size(D)	Packing Minimum
SOT23-4L	8.0±0.1 mm	4.0±0.1 mm	180±1 mm	3000pcs

Note: Carrier Tape Dimension, Reel Size and Packing Minimum