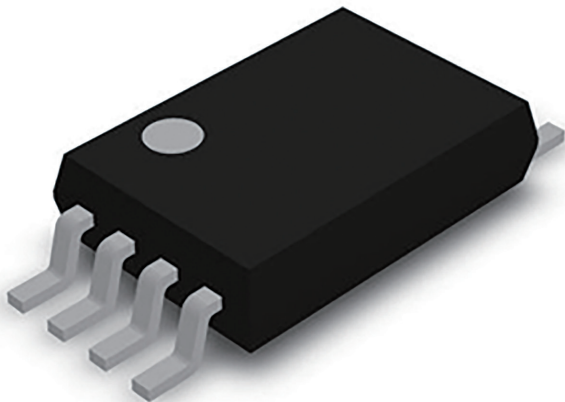


# Current Sensor IC

GPBCFSA series

## GPBCFSA020A [ New ]



- **Package type**  
TSSOP-8 6.4×3.0×1.1 mm
- **Measurement range**  
 $\pm 25 \sim \pm 78$  mT (Up to  $\approx 1,700$  A)
- **Supply voltage**  
 $5 \pm 0.25$  V
- **Operating temp**  
 $-40 \sim +150$  °C

## Enables Coreless design of Module

- High-sensitivity GMR (\*1) element realizing coreless
- High Current Measurement range
- Surface mount device

## High Response

- DC and AC current measurement available
- High frequency response

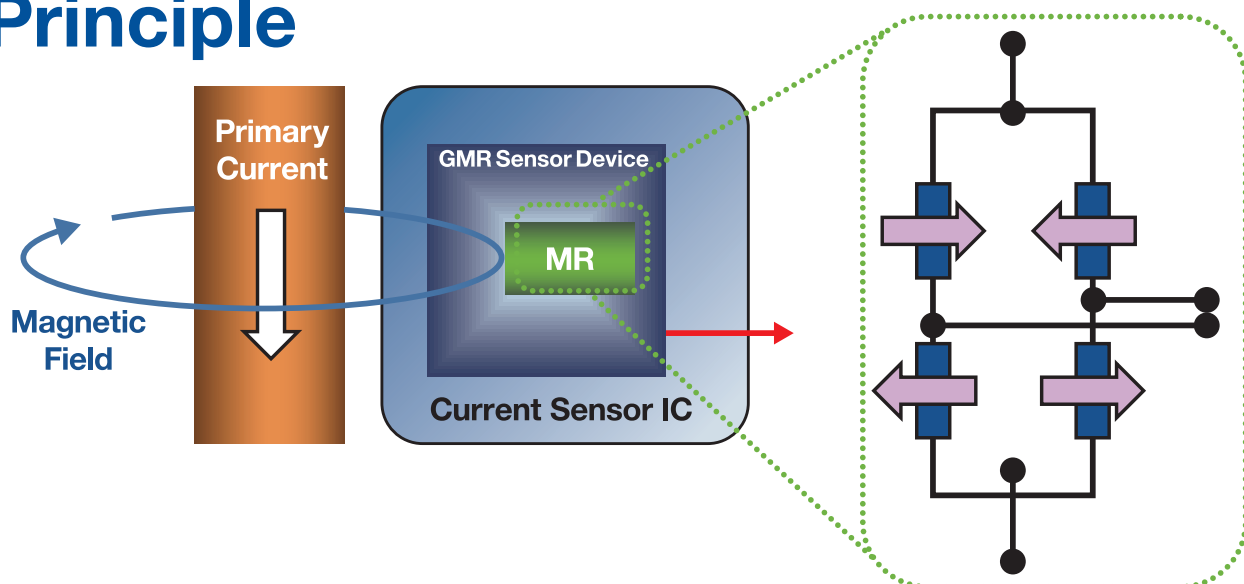
## High accuracy

- High linearity output
- Low Offset & Sensitivity error (including thermal drift)

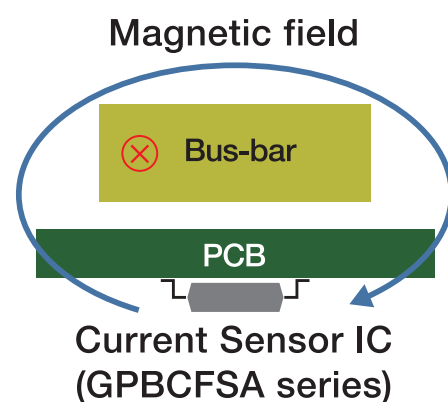
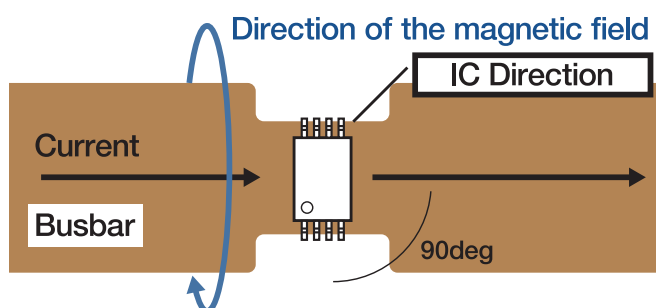
## Applications

- For Automotive : Traction Inverter , Battery management
- For Industry : Factory management system,  
DCDC Converter, Traction Inverter,  
Battery management

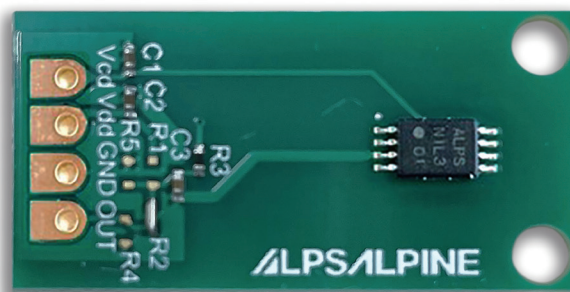
## Principle



## Layout design guide



## Evaluation board available



## More Information



Product/technology information (Alps Alpine website)  
Sensor & Communication Products | Products | Products & Technologies | Alps Alpine

Email inquiries:

Inquiries about products and services | Products & Technologies | Alps Alpine



**ALPSALPINE CO., LTD.**

1-7, Yukigaya-otsukamachi, Ota-ku, Tokyo, 145-8501  
<https://www.alpsalpine.com/e/>

