

## Grove - 2.5A DC Current Sensor(ACS70331)

SKU 101020652

★★★★★

The Grove - 2.5A DC Current Sensor(ACS70331) can measure the DC current up to 2.5A and has a base sensitivity of 800mV/A.

- 1 +

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### Description

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The Grove - 2.5A DC Current Sensor(ACS70331) is a high precision DC current sensor based on ACS70331. The ACS70331EESATR-2P5U3 is Allegro's high sensitivity,current sensor IC for <2.5 A current sensing applications. It incorporates giant magneto-resistive (GMR) technology that is 25 times more sensitive than traditional Hall-effect sensors to sense the magnetic field generated by the current flowing through the low resistance, integrated primary conductor. The Grove - 2.5A DC Current Sensor(ACS70331) can measure the DC current up to 2.5A and has a base sensitivity of 800mV/A. This sensor do not support AC current, if you want to measure the AC load please check the: [Grove - +5A DC/AC Current Sensor \(ACS70331\)](#)



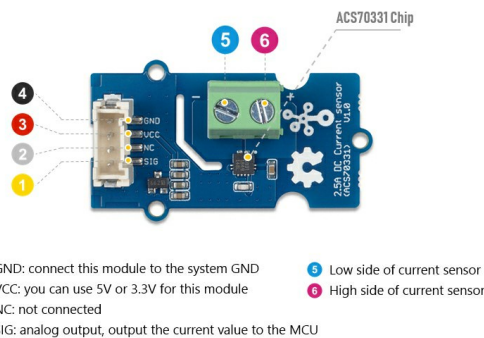
#### Danger

The human body is forbidden to touch the module during the test, otherwise there is danger of electric shock.

### Features

- 1 MHz bandwidth with response time <550 ns
- Low noise: 8 mA(rms) at 1 MHz
- 1.1 mΩ primary conductor resistance results in low power loss
- High DC PSRR enables use with low accuracy power supplies or batteries (3 to 4.5 V operation)

### Pinout



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ECCN	EAR99
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