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May 18, 2015

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### **Transformer for Fluxgate Current Sensor**

SUMIDA CORPORATION has developed a new transformer for use in fluxgate current sensors targeted at the industrial power electronics market. This transformer has been developed to work together with a Texas Instruments sensor signal conditioner, with the aim of building high-precision current sensors.



Transformer for Fluxgate Current Sensor  
Dimensions: 21\*19\*12mm

#### **Key Features:**

- This transformer has a low-profile structure and provides a wide insulation distance.
- Users can build a high precision fluxgate current sensor by mounting on a system board this transformer combined with a signal conditioner IC for a current sensor developed by Texas Instruments and a shunt resistor.
- The current measurement range can be fixed by setting the value of resistance of the shunt resistor.

#### **Applications:**

Industrial monitoring and control system, Power conditioner