



# Capacitive Isolation Amplifier

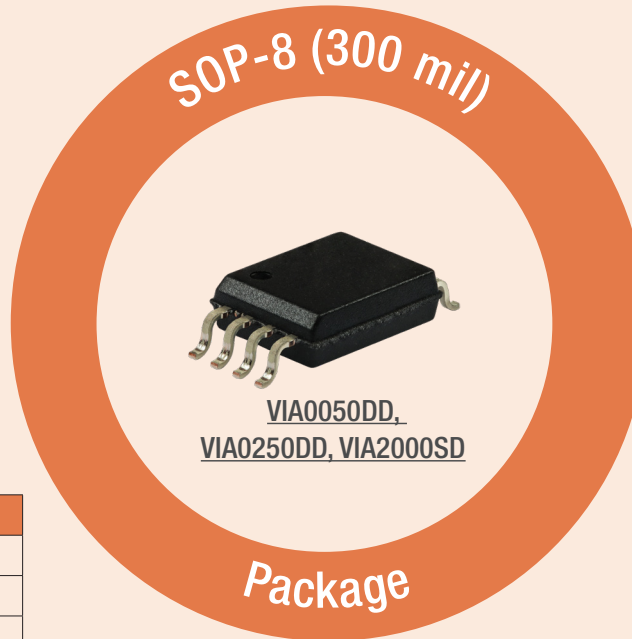
## for Current and Voltage Sensing

### KEY FEATURES

- Gain error =  $\pm 0.05\%$  and  $\pm 5\text{ ppm}/^\circ\text{C}$  typ.
- Non-linearity =  $\pm 0.01\%$  and  $\pm 1\text{ ppm}/^\circ\text{C}$  typ.
- CMTI =  $150\text{ kV}/\mu\text{s}$  typ.
- Bandwidth =  $300\text{ kHz}$
- Isolation voltage up to  $2121\text{ V}_{pk}$
- On-board diagnostics

### PART NAMING

Device Type	Device Name
Current sensing	<a href="#">VIA0050DD</a>
Current sensing	<a href="#">VIA0250DD</a>
Voltage sensing	<a href="#">VIA2000SD</a>



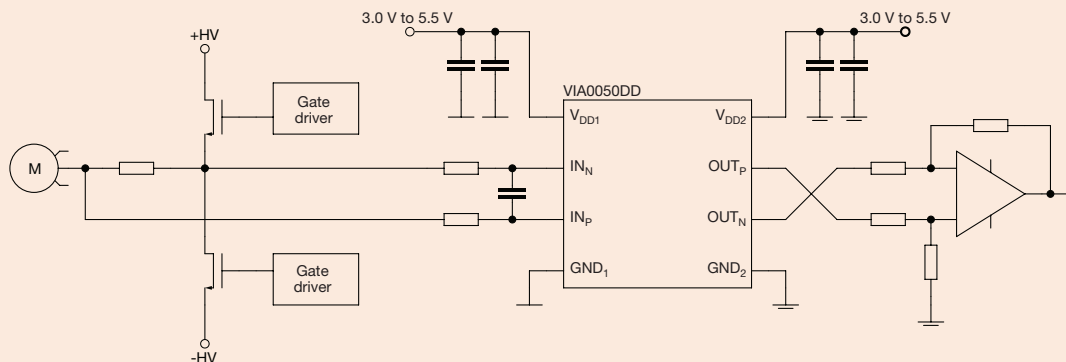
### KEY BENEFITS

- Wide operating temperature range:  
**-40 °C to +125 °C**
- Proprietary isolation technology offers better thermal performance
- Suitable for Vishay WSBE shunt and CDMV potential dividers
- Reinforced isolation for robust performance

### APPLICATIONS

- Motor control and motor drivers
- Alternative energy storage systems
- Industrial power suppliers
- Converters and Inverters
- Smart metering and industrial automation

### TYPICAL APPLICATION CIRCUIT IN PHASE CURRENT SENSING



Note: For technical questions, contact: [optocoupleranswers@vishay.com](mailto:optocoupleranswers@vishay.com)  
For automotive qualification please contact our local sales.

