



AUTOMOTIVE FAST RESPONSE LINEAR OPTOCOUPLER FOR VOLTAGE AND CURRENT SENSING

KEY FEATURES

Wide bandwidth = 1.4 MHz

Single-ended output

AEC-Q102 qualified

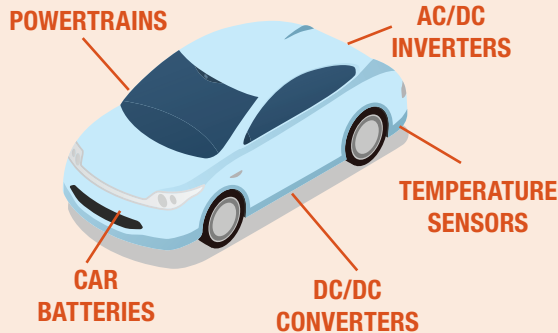
Operating temperature -40 °C to +125 °C

Isolation voltage of 5300 V_{RMS}

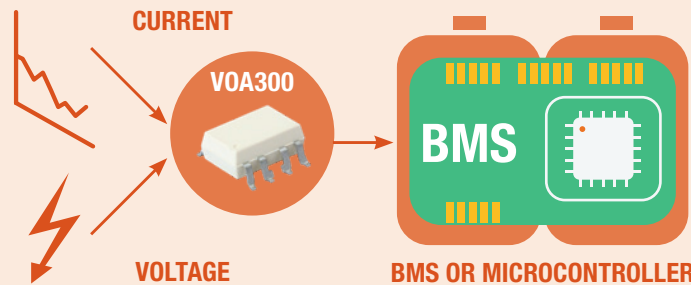
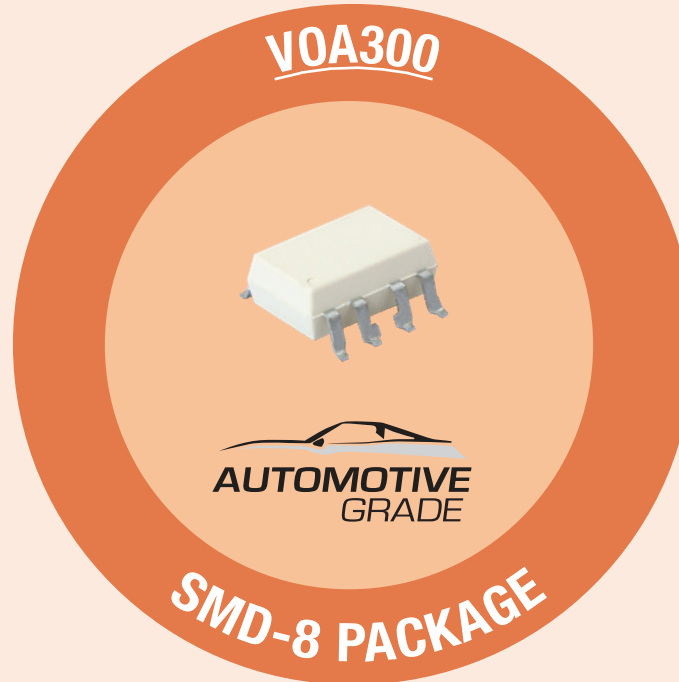
Highly stable and linear output over time and temperature

APPLICATIONS

- Galvanic isolated voltage and current measurement in:



- High voltage isolation monitoring
- Fast detection of voltage and current ripples for safety applications



COMPETITIVE ADVANTAGE

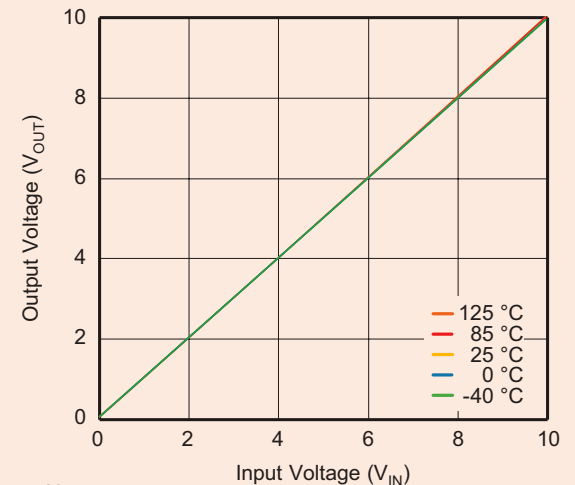
Reliable and fast data transfer < 1.5 μs

Highest isolation voltage

Flexibility in design with choice of op-amps and precision resistors

Better price / performance ratio

LINEAR PLOT



Note:
- Measurement from exemplary application circuit