



The DNA of tech.®

1500 V 1 Form A Solid-State Relay in
4-Pin SMD-8 Package

VORA1150 AEC-Q102 Qualified Device for 800 V Battery Monitoring Systems

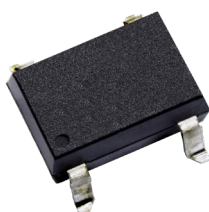


ADVANTAGE

Offers V_{IORM} of 1414 V_{peak}, low max. leakage current of 1 μ A, and 5 mm creepage distance on output pins

KEY PRODUCT FEATURES

- ✓ Low maximum turn-on and turn-off times of 150 μ s and 250 μ s, respectively, ensure fast operation
- ✓ Avalanche current capability of 0.9 mA
- ✓ Isolation test voltage of 5300 V_{RMS}
- ✓ Operating temperature range of -40 °C to +125 °C
- ✓ RoHS-compliant, halogen-free, and Vishay Green



MARKETS AND APPLICATIONS



MOBILITY

- Automotive electrification (e-powertrain)



ENERGY SECTOR

- Distribution and management

ADDITIONAL BENEFITS

- The innovative 4-pin design of the relay allows the device to provide a 5 mm creepage distance on its output pins, as required by the DIN EN-60644-1 standard for isolation monitoring applications in 800 V battery monitoring systems
- The device combines a high 1414 V_{peak} repetitive isolation voltage with a low maximum leakage current of 1 μ A
- The relay's high repetitive isolation voltage and mold material with a comparative tracking index (CTI) of 600 provide increased reliability

RESOURCES



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