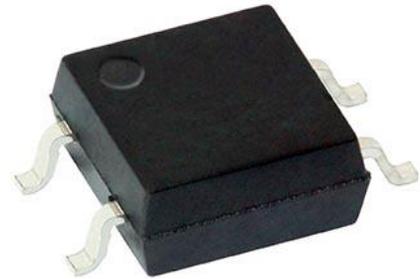




Space-Saving, Industrial-Grade 1 Form A Solid-State Relay Offers 600 V Load Voltage and Isolation Voltage of 3750 V_{RMS} in SOP-4 Package, Combines Fast Turn-on Time of 0.3 ms Typical With Low Leakage Current of 2 nA

Product Benefits:

- Industrial-grade
- 600 V load voltage
- Isolation voltage of 3750 V_{RMS}
- Available in the low profile SOP-4 package
- Fast turn-on time of 0.3 ms typical
- Low leakage current of 2 nA
- RoHS-compliant, halogen-free, and [Vishay Green](#)
- For automotive qualification, please contact your local Vishay sales representative



Market Applications:

- Isolated switching in inverters, motor controls, and battery management systems (BMS) in energy storage systems (ESS); industrial motor drives, power tools, and controls; security and automation systems; and instrumentation

The News:

Vishay Intertechnology introduces a 1 Form A solid-state relay offering a 600 V load voltage and isolation voltage of 3750 V_{RMS} in the low profile SOP-4 package. Designed to deliver fast switching for energy storage, industrial, and mobility applications, the Vishay Semiconductors VOR1060M4 provides a fast turn-on time of 0.3 ms typical and low leakage current of 2 nA.

- The optically isolated device combines a state of the art infrared emitter and photovoltaic diode to deliver its fast turn-on time, which makes it ideal for safety-critical applications. The solid-state relay's low leakage current allows the device to be used in sensitive low level applications without affecting the signal, while its compact SOP-4 package saves space over competing solutions

The Key Specifications:

- Turn-on time: 0.3 ms typical
- Turn-off time: 0.15 ms typical
- Load voltage: 600 V
- Load current: 50 mA
- Leakage current: 2 nA
- Isolation voltage: 3750 V_{RMS}
- On-resistance: 40 Ω typical



NEW PRODUCT INFORMATION



Product Group: Vishay Semiconductors, Optocouplers / December 2024

Availability:

Samples and production quantities of the VOR1060M4 are available now, with lead times of eight weeks.

To access the product datasheet on the Vishay Website, go to
<http://www.vishay.com/ppg?80406> (VOR1060M4)

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