



Vishay Intertechnology 1 Form A Solid-State Relays Offer Continuous Load Current to 5 A in Compact SOP-4 Package

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Space-Saving, Industrial-Grade Devices Combine Load Voltages to 60 V With Isolation Voltage of 3750 VRMS and Low Leakage Current of 1 μ A

MALVERN, Pa., April 30, 2025 (GLOBE NEWSWIRE) -- Vishay Intertechnology, Inc. (NYSE: VSH) today introduced two new industrial-grade 1 Form A solid-state relays in the surface-mount SOP-4 package. The Vishay Semiconductors [VO1401AEFTR](#) and [VOR1003M4T](#) combine high continuous load current of 550 mA and 5 A, respectively, with load voltages of 60 V and 30 V, isolation voltage of 3750 V_{RMS}, and low leakage current of < 1 μ A typical.

With their high current capability, the devices released today are ideal for replacing electromechanical relays — which are susceptible to damaging vibrations — with contactless optical relays that provide robust, vibration-proof switching for higher reliability and a longer service life. In addition, their high isolation voltage allows them to be used in harsh environments.

Offering typical turn-on and turn-off times of 1.3 ms and 0.15 ms for the VO1401AEFTR, and 0.5 ms and 0.1 ms for the VOR1003M4T, the relays will provide fast switching for industrial automation systems and controls; security systems; medical instrumentation; and broadcasting equipment. In these applications, the devices' compact package saves board space, while their low leakage current translates into higher efficiency by helping to keep the sensitive load on the output side turned off.

Samples and production quantities of the VO1401AEFTR and VOR1003M4T are available now, with lead times of four weeks.

Vishay manufactures one of the world's largest portfolios of discrete semiconductors and passive electronic components that are essential to innovative designs in the automotive, industrial, computing, consumer, telecommunications, military, aerospace, and medical markets. Serving customers worldwide, Vishay is **The DNA of tech**®. Vishay Intertechnology, Inc. is a Fortune 1,000 Company listed on the NYSE (VSH). More on Vishay at www.Vishay.com.

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Links to product datasheets:

<http://www.vishay.com/ppg?80533> (VO1401AEF)

<http://www.vishay.com/ppg?80532> (VOR1003M4)

Link to product photo:

<https://www.flickr.com/photos/vishay/albums/72177720325650482>

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