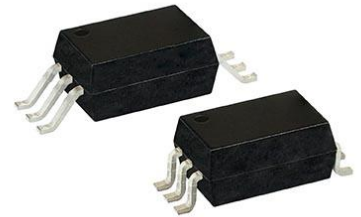




## IGBT and MOSFET Drivers in Stretched SO-6 Package Enable Compact Designs, Fast Switching, and High Voltage Isolation, Offer High Peak Output Currents to 4 A, High Operating Temperatures to +125 °C and Low Propagation Delay of 200 ns

### Product Benefits:

- High peak output currents of 3 A and 4 A for fast gate charge and discharge
- High operating temperature up to +125 °C for a higher temperature safety margin
- Low propagation delay of 200 ns maximum for fast switching
- High isolation package enabling high working voltages up to 1140 V
- High noise immunity of 50 kV/μs to prevent malfunction in fast-switching power stages and harsh environments
- RoHS-compliant



### Market Applications:

- Solar inverters and microinverters
- AC and brushless DC industrial motor control inverters
- Inverter stages for AC/DC conversion in UPS
- Directly driving IGBTs with ratings up to 1200 V / 100 A

### The News:

Vishay Intertechnology introduces the VOFD341A and VOFD343A IGBT and MOSFET drivers in a compact, high isolation stretched SO-6 package. These drivers deliver peak output currents of 3 A and 4 A, respectively, and offer high operating temperatures up to +125 °C. With low propagation delays of 200 ns maximum, these optocouplers are ideal for applications requiring fast switching and high voltage operation. They are suited for use in solar inverters, industrial motor control, and UPS inverter stages.

### The Key Specifications:

- Package: Stretched SO-6
- Peak Output Current: 3 A (VOFD341A), 4 A (VOFD343A)
- Operating Temperature: Up to +125 °C
- Propagation Delay: 200 ns max
- Working Voltage: Up to 1,140 V
- Noise Immunity: 50 kV/μs



## NEW PRODUCT INFORMATION



Product Group: Vishay Semiconductors, Optocouplers / October 2024

### Availability:

Samples and production quantities of the VOFD341A (3 A) and VOFD343A (4 A) are available now, with lead times of eight weeks.

To access the product datasheets on the Vishay Website, go to

<http://www.vishay.com/ppg?80420> (VOFD341A)

<http://www.vishay.com/ppg?80486> (VOFD343A)

### Contact Information:

#### THE AMERICAS

Jim Toal

[jim.toal@vishay.com](mailto:jim.toal@vishay.com)

#### EUROPE

Boris Lazic

[boris.lazic@vishay.com](mailto:boris.lazic@vishay.com)

#### ASIA/PACIFIC

Jason Soon

[jason.soon@vishay.com](mailto:jason.soon@vishay.com)