



SOLID-STATE RELAYS

VO1263AB / 1263AAC / 1263AACTR



A New Level of Performance for Photovoltaic MOSFET Drivers

FEATURES

- Highest open-circuit voltage V_{OC} and short-circuit current I_{SC} combination in the industry
- Ambient operating temperature from $-40\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$
- Certified by key international safety regulatory agencies such as UL, CUL, and VDE
- Through-hole and surface mount DIP-8 packages
- Pure tin leads

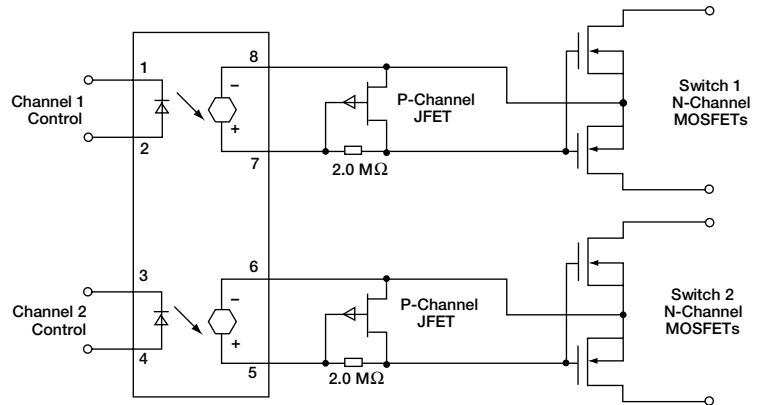
BENEFITS

- High V_{OC} and I_{SC} enable designers to choose a wider range of low-voltage MOSFETs
- No external power supply required for output
- Solid-state design rather than a EMR design results in longer product life, higher reliability, and faster switching

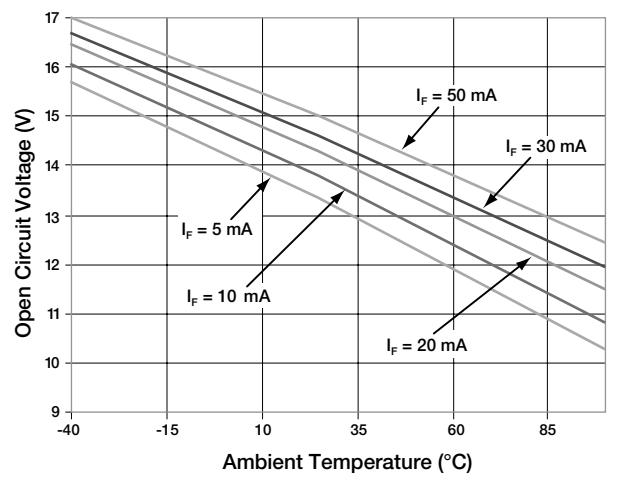
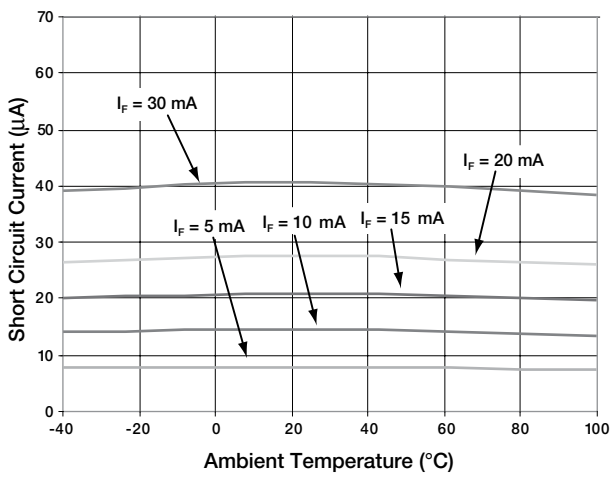
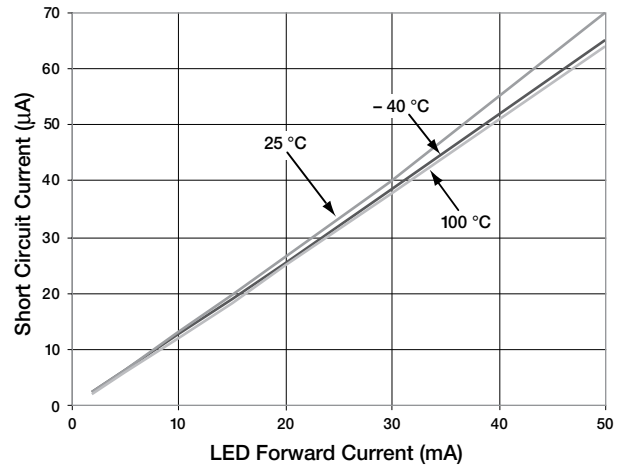
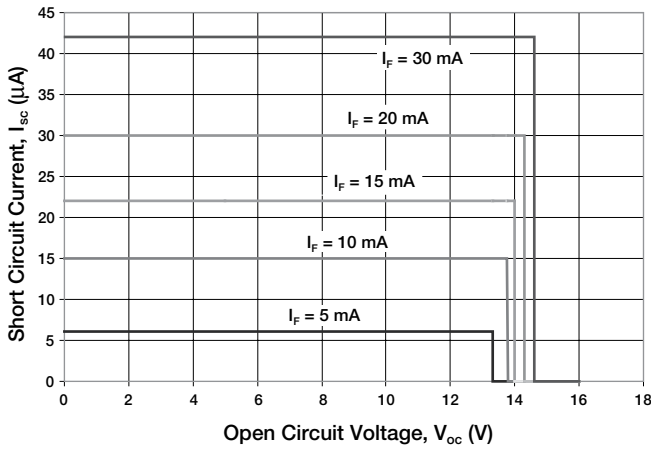
Datasheet is available on our web site at www.vishay.com
<http://www.vishay.com/doc?84639>

APPLICATIONS

- Custom solid-state relays
- High-side switching
- Floating power supplies
- ATE (Automated Testing Equipment)
- Data acquisition
- UPS (uninterruptible power supplies)
- Thermocouple open detectors
- Directional motor drives
- Battery back up switching
- Switching equipment
- Solenoid controls



Vishay's new and improved photovoltaic MOSFET driver allows the designer to cascade the first and second channel to increase I_{sc} or V_{oc} . This enables designs to interface with a larger variety of MOSFETs. An external resistor is required for gate discharge.



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