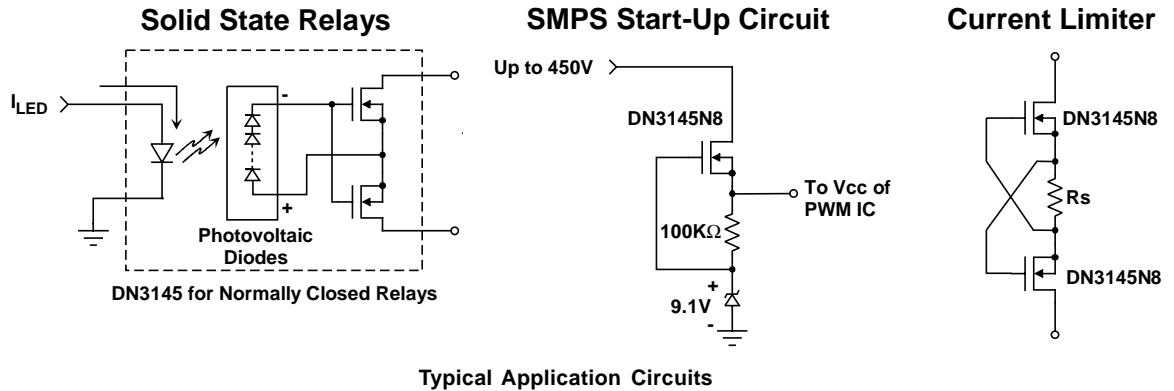


Product Summary Sheet

DN3145 N-Channel Depletion-Mode DMOSFET

Applications

- Solid state relays
- Converters
- Constant current sources



Product Overview:

DN3145 is a 450V high-speed, high voltage depletion-mode transistor for solid state relay and SMPS start-up circuit applications. The device allows solid state relay manufacturers to produce high-speed, high voltage normally closed relays for automatic test equipment (ATE). The DN3145 features low input capacitance that enables fast switching speed and low output leakage that provides accurate measurement for test equipment. It also features a minimum 450V breakdown voltage, a maximum 60Ω on-resistance and a low input capacitance of 120pF for fast switching applications.

Supertex's DMOS FETs are ideally suited to a wide range of switching applications where very high breakdown voltage and fast switching speed are desired.

Features:

Low input capacitance

High Voltage

Low output leakage

Small surface mount package

Benefits:

Allows for fast switching speed

Allows for high voltage transients

Enables accurate measurement

Saves board space

DN3145

N-Channel Depletion-Mode DMOSFET

Typical Performance

<u>Device</u>	<u>BV_{DSS}/BV_{DGS}</u>	<u>$R_{DS(ON)}$</u>	<u>$V_{GS(OFF)}$</u>	<u>C_{iss}</u>
DN3145N8	450V	60 Ω	-1.5 to -3.5	120pf

Ordering Information / Availability

<u>Part Number</u>	<u>Datasheet</u>	<u>Samples</u>	<u>Lead Time</u>
DN3145N8	DN3145 Now	DN3145N8 Now	4 - 5 weeks ARO

Price*

<u>Part Number</u>	<u>Package</u>
DN3145N8	SOT-89

**The DN3145 is also available in wafer form, DN3145NW, and in die on adhesive tape form, DN3145NJ. Consult factory for volume pricing.*

Product Contact

If you have questions regarding the DN3145 or would like to receive samples, contact Supertex Applications at:

Telephone: (800) 222-9883
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Web: www.supertex.com

Supertex Sales:

Contact your Supertex Area Sales Office