

## Product Overview

### NTD5867NL: Single N-Channel Logic Level Power MOSFET 60V, 19A, 39mΩ

For complete documentation, see the data sheet.

POWER MOSFET 60V 19A 39mOhm Single N-Channel DPAK Logic Level

#### Features

- Low RDS(on)
- High Current Capability
- 100% Avalanche Tested
- RoHS Compliant

#### Benefits

- Minimal conduction losses
- Robust load performance
- Voltage overstress safeguard

#### Applications

- LED Backlighting
- DC-DC Converter
- Motor Driver
- UPS Inverter

#### End Products

- LCD TV, Motor Control, Power Supply

### Part Electrical Specifications

Product	Compliance	Status	Chan nel Polar ity	Confi gurat ion	V <sub>SS</sub> <sup>(BR)D</sup> Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS(th)</sub> Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (mΩ)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	C <sub>iss</sub> Typ (pF)	Pack age Type
NTD5867NLT4G	Pb-free Halide free	Active	N- Chan nel	Singl e	60	20	2.5	20	36	-	50	39	20	15	675	DPA K-3

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