

## Product Overview

### NTD4302: Single N-Channel Power MOSFET 30V, 18.5A, 10mΩ

For complete documentation, see the data sheet.

Power MOSFET  
68 A, 30 V, N-Channel DPAK/IPAK

### Features

- Ultra Low RDS(on)
- Higher Efficiency Extending Battery Life
- Logic Level Gate Drive
- Diode Exhibits High Speed, Soft Recovery
- Avalanche Energy Specified
- IDSS Specified at Elevated Temperature
- DPAK Mounting Information Provided
- RoHS Compliant

### Applications

- DC-DC Converters
- Low Voltage Motor Control
- Power Management in Portable and Battery Powered Products: i.e., Computers, Printers, Cellular and Cordless Telephones, and PCMCIA Cards

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{DS}^{(BR)}$ Min (V)	$V_{GS}^{Max}$ (V)	$V_{GS}^{(th)}$ Max (V)	$I_D^{Max}$ (A)	$P_D^{Max}$ (W)	$R_{DS(on)}^{n)}$ Max @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}^{n)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}^{n)}$ Max @ $V_{GS} = 10V$ (mΩ)	$Q_g^{Typ}$ @ $V_{GS} = 4.5V$ (nC)	$Q_g^{Typ}$ @ $V_{GS} = 10V$ (nC)	$C_{iss}^{Typ}$ (pF)	Package Type
NTD4302T4G	0.4835	Pb-free Halide free	Active	N-Channel	Single	30	20	3	68	2.7	-	13	10	20.5	55	2050	DPAK-3

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