

## Product Overview

### NTD4970N: Single N-Channel Power MOSFET 30V 36A 11mΩ

For complete documentation, see the data sheet.

Power MOSFET, 30 V, 36 A, Single N Channel, DPAK/IPAK

#### Features

- Optimized Gate Charge
- Low Capacitance
- Low RDS(on)
- RoHS Compliant
- Three Package Variations for Design Flexibility

#### Benefits

- Improve Signal Quality and Minimize Switching Losses
- Minimize Driver Loss
- Improve Efficiency

#### Applications

- High Side Synchronous DC-DC Converters

#### End Products

- PC and Game Console

#### 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)	$R_{DS(on)}$ Max @ $V_{GS} = 2.5$ V (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5$ V (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10$ V (mΩ)	$Q_g$ Typ @ $V_{GS} = 4.5$ V (nC)	$Q_g$ Typ @ $V_{GS} = 10$ V (nC)	$C_{iss}$ Typ (pF)	Package Type
NTD4970N-35G	0.322	Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	36	24.6	-	21	11	-	15.8	774	IPAK-3

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