

## Product Overview

### NTD4809N: Single N-Channel Power MOSFET 30V 58A 9mΩ

For complete documentation, see the data sheet.

Power MOSFET 30 V, 58 A, Single N-Channel, DPAK/IPAK

### Features

- Low  $R_{DS(on)}$  to Minimize Conduction Losses
- Low Capacitance to Minimize Driver Losses
- Optimized Gate Charge to Minimize Switching Losses
- RoHS Compliant

### Applications

- CPU Power Delivery
- DC-DC Converters
- Low Side Switching

### Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	$V_{(BR)D}$ $V_{SS}$ 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)	Pack- age Type
NTD4809NT4G	Pb-free Halide free	Active	N- Chan- nel	Singl- e	30	20	2.5	58	2.63	-	14	9	-	25	1456	DPA K-3

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