

## Product Overview

### NTTFS4939N: Single N-Channel Power MOSFET 30V, 56A, 5.5mΩ

For complete documentation, see the data sheet.

This is a 30 V N-Channel Power MOSFET.

#### Features

- Low  $R_{DS(on)}$
- Low capacitance
- Optimized gate charge
- RoHS Compliant

#### Benefits

- Minimize conduction losses
- Minimize driver losses
- Minimize switching loss

#### Applications

- Low Side DC-DC Converter
- Power Load Switch
- Notebook Battery Management
- Motor Control

#### End Products

- PC (Notebook/Netbook, Desktop), Server, Graphic Cards, Game Consoles, Printer, HDD, and other computing and consumer products

### Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	$V_{SS}^{(BR)D}$ 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
NTTFS4939NTAG	Pb-free Halide free	Active	N- Chan- nel	Singl- e	30	20	2.2	52	29.8	-	8	5.5	-	28	1979	WDF N-8 / u8FL
NTTFS4939NTWG	Pb-free Halide free	Active	N- Chan- nel	Singl- e	30	20	2.2	52	29.8	-	8	5.5	-	28	1979	WDF N-8 / u8FL

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