

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 RDS(on)
- Low capacitance
- Optimized gate charge
- RoHS Compliant

Applications

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

Benefits

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

End Products

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

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_3 Typ @ $V_{GS} = 10$ V (nC)	C_{iss} Typ (pF)	Package Type
NTTFS4939NTAG	0.2333	Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	52	29.8	-	8	5.5	-	28	1979	WDF N-8 / u8FL
NTTFS4939NTWG	0.68	Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	52	29.8	-	8	5.5	-	28	1979	WDF N-8 / u8FL

For more information please contact your local sales support at www.onsemi.com.

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