

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 _{DSS} (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

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

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