

Product Overview

NTD5C434N: Single N-Channel Power MOSFET 40V, 160A, 2.1mΩ

For complete documentation, see the data sheet.

40 V, 2.1 m, 160 A, Single N-Channel DPAK Power MOSFET

Features

- Low On-Resistance
- High Current Capability
- 100% avalanche energy tested
- RoHS Compliant

Benefits

- Minimal conduction losses
- Robust load performance
- Voltage overstress safeguard

Applications

- AC DC power conversion
- DC-DC power conversion
- Motor Drive

End Products

- Power Tools
- Power Supply

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
NTD5C434NT4G	AEC Qualified Pb-free Halide free	Active	N- Chan- nel	Singl- e	40	±20	4	163	3.2	-	-	2.1	1.8	80.6	5400	DPA K-3

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

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