

## Product Overview

### NTMFS5C410NLT: Single N-Channel Power MOSFET 40V, 330A, 0.82mΩ

For complete documentation, see the data sheet.

Power MOSFET 40 V, 0.82 m, 330 A, Single N-Channel

#### Features

- Low RDS(on) to Minimize Conduction Losses
- Low QG and Capacitance to Minimize Driver Losses
- Small Footprint (5x6 mm) for Compact Design
- NTMFS5C410NLTWF - Wettable Flank Option for Enhanced Optical Inspection
- RoHS Compliant

#### Applications

- High Performance DC-DC Converters
- Point of Load Modules
- Secondary Syn. Rectification
- DC Motor Drive

#### End Products

- Netcom, Telecom
- Server
- Handheld power tools

#### 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
NTMFS5C410NLTT1G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	330	30	-	1.2	0.82	24	66	8862	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C410NLTT3G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	330	30	-	1.2	0.82	24	66	8862	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C410NLTWFT1G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	330	30	-	1.2	0.82	24	66	8862	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C410NLTWFT3G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	330	30	-	1.2	0.82	24	66	8862	SO- 8FL / DFN- 5
	Halide free															

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Created on: 9/16/2019