

## Product Overview

### NTMFS5832NL: Single N-Channel Power MOSFET 40V, 110A, 4.2mΩ

For complete documentation, see the data sheet.

Power MOSFET 40 V, 111 A, 4.2 mΩ

#### Features

- Low RDS(on)
- Low Capacitance
- Optimized Gate Charge
- RoHS Compliant

#### Applications

- DC-DC Conversion
- Synchronous Rectification
- Motor Drive

#### Benefits

- Minimize Conduction Losses
- Minimize Driver Losses
- Minimize Switching Losses

#### End Products

- Telecom, Datacom, Base Station
- Server
- Power Supply
- Motor Control

### 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)	$Q_3$ Typ @ $V_{GS} = 4.5$ V (nC)	$Q_3$ Typ @ $V_{GS} = 10$ V (nC)	$C_{iss}$ Typ (pF)	Package Type
NTMFS5832NLT1G	0.4336	Pb-free Halide free	Active	N-Channel	Single	40	20	3	111	96	-	6.5	4.2	20	51	2700	SO-8FL / DFN-5

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 3/30/2020