

Product Overview

NTMFS5C645NL: Single N-Channel Power MOSFET 60V, 100A, 4.0mΩ

For complete documentation, see the data sheet.

Power MOSFET 60V 100A 4.0 mΩ Single N-Channel

Features

- Low Rds(on)
- Low input capacitance
- Maximum junction temperature of 175C
- RoHS Compliant

Applications

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

Benefits

- Minimize conduction losses
- Minimize switching losses
- Offers a wider design margin for thermally challenged applications

End Products

- Netcom, Telecom
- Server
- Handheld power tools

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V _{DSS} 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
NTMFS5C645NLT1G	0.5667	Pb-free Halide free	Active	N-Channel	Single	60	±20	2	100	79	-	5.7	4	15.7	34	2200	SO-8FL / DFN-5
NTMFS5C645NLT3G	0.5667	Pb-free Halide free	Active	N-Channel	Single	60	±20	2	100	79	-	5.7	4	15.7	34	2200	SO-8FL / DFN-5

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

Created on: 4/10/2020