

Product Overview

NVMFD5C478N: Dual N-Channel Power MOSFET 40 V, 27 A, 17.0 mΩ

For complete documentation, see the data sheet.

Automotive Power MOSFET in a 5 x 6 mm flat lead package designed for compact and efficient designs and including high thermal performance. Wettable Flank Option available for Enhanced Optical Inspection. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Low on resistance
- High current capability
- AEC-Q101 Qualified and PPAP Capable
- NVMFD5C478NWF - Wettable Flanks Product
- RoHS Compliant

Benefits

- Minimal conduction losses
- Robust load performance
- Suitable for automotive applications
- Enhanced Optical Inspection

Applications

- Solenoid driver
- Low side / high side driver

End Products

- Automotive engine controllers
- Antilock braking systems

Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V _{BRD} SS 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
NVMFD5C478NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N- Chan- nel	Dual	40	20	4	24	18	-	-	14.7	-	7	350	SO- 8FL Dual / DFN- 8
NVMFD5C478NWF1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N- Chan- nel	Dual	40	20	4	24	18	-	-	14.7	-	7	350	SO- 8FL Dual / DFN- 8

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

Created on: 5/25/2019