



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	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{DS(S)}$ 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
NVMFD5C478NT1G		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	40	20	4	24	18	-	-	14.7	-	7	350	SO-8FL Dual / DFN-8
NVMFD5C478NWFT1G		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	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.

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