

## Product Overview

### NVMFD6H846NL: MOSFET - Power, Dual N-Channel, 80 V, 15 mΩ 31 A NVMFD6H846NL

For complete documentation, see the data sheet.

Automotive Power MOSFET in a 5x6mm 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 PPAPcapable suitable for automotive applications

#### Features

- Small Footprint (5x6mm)
- Low RDS (on)
- Low QG and Capacitance
- NVMFD6H846NLWF
- AEC-Q101 Qualified and PPAP Capable
- These Devices are Pb-Free and are RoHS Compliant

#### Benefits

- Compact Design
- Minimize Conduction Losses
- Minimize Driver Losses
- Wettable Flank Option for Enhanced Optical Inspection

#### Applications

- Reverse Battery protection
- Power switches (High Side Driver) Low Side Driver, H-Bridges etc.)
- Switching power supplies

#### End Products

- Solenoid Driver - ABS, Fuel injection
- Motor Control \_ EPS, Wipers, Fans, Seats, etc
- Load Switch - ECU, Chassis, Body

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V <sub>DS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS</sub> (th) Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (mΩ)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	C <sub>iss</sub> Typ (pF)	Package Type
NVMFD6H846NLT1G	0.3492	AEC Qualified PPAP Capable Pb-free Halide free	NEW	N-Channel	Dual	80	±20	2	31	34		19	15	8	17	900	SO-8FL Dual / DFN-8
NVMFD6H846NLWFT1G	0.3973	AEC Qualified PPAP Capable Pb-free Halide free	NEW	N-Channel	Dual	80	±20	2	31	34		19	15	8	17	900	SO-8FL Dual / DFN-8

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