

Product Overview

NVMFS6B14N: Single N-Channel Power MOSFET 100V, 55A, 15mΩ

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 PPAP capable suitable for automotive applications.

Features

- Small Footprint (5x6 mm)
- Low RDS(on)
- Low QG and Capacitance
- NVMFS6B14NWF - Wettable Flank Option
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

Benefits

- Compact Design
- Minimize Conduction Losses
- Minimize Driver Losses
- Enhanced Optical Inspection
- Automotive Qualified

Applications

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

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 _{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 _g Typ @ V _{GS} = 4.5 V (nC)	Q _g Typ @ V _{GS} = 10 V (nC)	C _{iss} Typ (pF)	Package Type
NVMFS6B14NT1G		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	100	16	4	55	94	-	-	15	-	20	1300	SO-8FL / DFN-5
NVMFS6B14NWF1G		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	100	16	4	55	94	-	-	15	-	20	1300	SO-8FL / DFN-5

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

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