

製品概要

NVTF5C680NL: Single N-Channel Power MOSFET 60V, 20A, 26.5mΩ

技術情報は、データシートをご参照ください。

Automotive Power MOSFET in a 3x3mm 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.

特長

- Small Footprint (3x3 mm)
- Low On-Resistance
- Low Capacitance
- NVTF5C680NLWF - Wettable Flanks Product
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

利点

- Compact Design
- Minimizes Conduction Losses
- Minimize Driver Losses
- Enhanced Optical Inspection
- Suitable for Automotive Applications

アプリケーション

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

最終製品

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

電氣的仕様

製品	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 @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10V$ (mΩ)	Q_g Typ @ $V_{GS} = 4.5V$ (nC)	Q_g Typ @ $V_{GS} = 10V$ (nC)	C_{iss} Typ (pF)	Package Type
NVTF5C680NLTAG		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2	20	20	-	42.5	26.5	14	5	327	WDF N-8 / u8FL
NVTF5C680NLWFTAG		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2	20	20	-	42.5	26.5	14	5	327	WDF N-8 / u8FL

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

8/3/2020 作成