

製品概要

NVMFS5C680NL: Power MOSFET, N-Channel, 60 V, 21 A, 27.5 mΩ

技術情報は、データシートをご参照ください。

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.

特長

- Low RDS(on)
- Low QG and Gate capacitance
- Industry standard 5 x 6 mm package
- Best in-class FOM (RDS(ON) x QG)
- NVMFS5C680NLWF - Wettable Flanks Product
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

利点

- Minimize Conduction Losses
- Minimize Switching Losses
- Compact Design and Standard footprint for direct drop-in
- Increased efficiency, lower power dissipation
- Enhanced Optical Inspection

アプリケーション

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

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 _{DSS} (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 |
|-------------------|-------------------|---|--------|------------------|---------------|-------------------------------|-------------------------|-----------------------------|------------------------|------------------------|--|--|---|---|--|---------------------------|----------------|
| NVMFS5C680NLT1G | 0.1544 | AEC Qualified PPAP Capable Pb-free Halide free | Active | N-Channel | Single | 60 | 20 | 2.2 | 21 | 24 | - | 43 | 27.5 | 2.9 | 5.8 | 330 | SO-8FL / DFN-5 |
| NVMFS5C680NLWFT1G | 0.166 | AEC Qualified PPAP Capable Pb-free Halide free | Active | N-Channel | Single | 60 | 20 | 2.2 | 21 | 24 | - | 43 | 27.5 | 2.9 | 5.8 | 330 | SO-8FL / DFN-5 |

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。

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