

## 产品概览

### NVATS5A108PLZ: P 沟道，功率 MOSFET，-40V，-77A，10.4mΩ

欲看完整文档，请参阅数据表。

适用于紧凑和高效设计的汽车用功率 MOSFET，且具有较高的热性能。ATPAK 器件具有低导通电阻、高电流能力，且可与 DPAK(TO-252) 针兼容。通过 AEC-Q101 认证的 MOSFET，符合生产件批准程序 (PPAP)，适用于汽车应用。

#### 特性

- Low On-Resistance
- High Current Capability
- 100% Avalanche Tested
- AEC-Q101 qualified and PPAP capable
- ATPAK package is pin-compatible with DPAK(TO-252)
- RoHS compliance

#### 优势

- Minimizes Conduction Losses, Reduces Heat generation
- Robust Load Performance
- Safeguard Against Voltage Overstress Failures
- Suitable for Automotive Applications
- Enable Replace DPAK with ATPAK without Changing Land Patterns
- Environmental Consideration

#### 应用

- Reverse Battery Protection
- Load Switch
- Automotive Front Lighting
- Automotive Body Controllers

#### 终端产品

- Automotive (Head Light, Body Control)

#### 器件电气规格

| 产品               | 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                |
|------------------|-------------------|---------------------------------------------------------|--------|------------------|---------------|---------------------|------------------|----------------------|---------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-----------------------------------|----------------------------------|--------------------|-----------------------------|
| NVATS5A108PLZT4G | 0.7774            | AEC Qualified<br>PPAP Capable<br>Pb-free<br>Halide free | Active | P-Channel        | Single        | -40                 | 20               | -2.6                 | -77           | 72            | -                                        | 16.5                                     | 10.4                                    | -                                 | 79.5                             | 3850               | DPAK (Single Gauge) / ATPAK |

欲了解更多信息，请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

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