

## Product Overview

### NVATS5A108PLZ: P-Channel Power MOSFET, -40V, -77A, 10.4mΩ

For complete documentation, see the data sheet.

Automotive Power MOSFET designed for compact and efficient designs and including high thermal performance. ATPAK devices are Low on-resistance, High current capability and pin-compatible with DPAK(TO-252). AEC-Q101 qualified MOSFET and PPAP capable suitable for automotive applications.

#### Features

- 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

#### Benefits

- 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

#### Applications

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

#### End Products

- Automotive (Head Light, Body Control)

### 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)	$R_{DS(on)}^{Max}$ @ $V_{GS} = 2.5V$ (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
NVATS5A108PLZT4G	0.7774	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	-40	20	-2.6	-77	72	-	16.5	10.4	-	79.5	3850	DPAK (Single Gauge) / ATPAK

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 8/7/2020