

## Product Overview

### NVE4153N: Single N-Channel Small Signal MOSFET with ESD Protection 20V, 915mA, 230mΩ

For complete documentation, see the data sheet.

Automotive Power MOSFET ideal for low power applications. 20V 915mA 230mΩ Single N-Channel SC-89 with ESD Protection. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

### Features

- Low RDS(on) Improving System Efficiency
- Low Threshold Voltage, 1.5V Rated
- ESD Protected Gate
- AEC-Q101 Qualified and PPAP Capable

### Applications

- Load/Power Switches
- Power Supply Converter Circuits
- Battery Management
- Portable Devices

### End Products

- Cell Phones
- PDAs
- Digital Cameras
- Pagers

### 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)	$R_{DS(on)}^{n)Max}$ @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}^{n)Max}$ @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}^{n)Max}$ @ $V_{GS} = 10V$ (mΩ)	$Q_g^{Typ}$ @ $V_{GS} = 4.5V$ (nC)	$Q_g^{Typ}$ @ $V_{GS} = 10V$ (nC)	$C_{iss}^{Typ}$ (pF)	Package Type
NVE4153NT1G		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	20	6	1.1	0.915	0.3	170	127	-	-	1.82	110	SC-89-3

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

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