



Product Overview

NVE4153N: Power MOSFET 20V, 915mA, 230mOhm, N-Channel with ESD Protection, Logic level.

For complete documentation, see the data sheet

Product Description

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

Features

- Low $R_{DS(on)}$ Improving System Efficiency
- Low Threshold Voltage
- ESD Protected Gate
- Pb-Free Packages are Available
- AEC qualified

Applications

- Load/Power Switches
- Power Supply Converter Circuits
- Battery Management
- Portables like Cell Phones, PDAs, Digital Cameras, Pagers, etc.

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)DSS} Min (V)$	$V_{GS} Max (V)$	$V_{GS}^{(th)} Max (V)$	$I_D Max (A)$	$P_D Max (W)$	$r_{DS(on)} Max @ V_{GS} = 2.5 V (m)$	$r_{DS(on)} Max @ V_{GS} = 4.5 V (m)$	$r_{DS(on)} Max @ V_{GS} = 10 V (m)$	$Q_g Typ @ V_{GS} = 4.5 V (nC)$	$Q_g Typ @ V_{GS} = 10 V (nC)$	$Q_{gd} Typ @ V_{GS} = 4.5 V (nC)$	$Q_{rr} Typ (nC)$	$C_{iss} Typ (pF)$	$C_{oss} Typ (pF)$	$C_{rss} Typ (pF)$	Package Type
NVE4153NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	20	6	1.1	0.9 15	0.3	170	127		1.8 2		0.4 2		110	16	12	SC-89-3

For more information please contact your local sales support at www.onsemi.com

Created on: 7/11/2015