

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	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V _{SS} ^{(BR)D} 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)	Pack- age Type
NVE4153NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N- Chan- nel	Singl- e	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.

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