



Product Overview

NVJS4151P: Power MOSFET -20V, -4.2A, 60 mOhm, P-Channel , Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET ideal for low power applications. -20V -4.2A 60 mOhm Single P-Channel SC-88, Logic Level. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Leading Trench Technology for Low $R_{DS(on)}$ Extending Battery Life
- SC-88 Small Outline (2x2 mm) for Maximum Circuit Board Utilization, same as SC-70-6
- Gate Diodes for ESD Protection
- Pb-Free Package is Available
- AEC qualified

Applications

- High Side Load Switch
- Low power switches

End Products

- Infotainment systems. Radios. Navigation systems. Clusters

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V_{DS} Min (V)	V_{GS} Max (V)	$V_{GS(th)}$ Max (V)	I_D Max (A)	P_D Max (W)	$r_{DS(on)}$ Max @ $V_{GS} = 2.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS} = 10V$ (m)	Q_g Typ @ $V_{GS} = 4.5V$ (nC)	Q_g Typ @ $V_{GS} = 10V$ (nC)	Q_{gd} Typ @ $V_{GS} = 4.5V$ (nC)	Q_{tr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NVJS4151PT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	20	12	1.2	4.2	1	70	47		10		2.8	0.23	850	160	110	SC-88-6 / SC-70-6 / SOT-363-6

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

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