



Product Overview

NTJS3151P: Small Signal MOSFET -12V -3.3A 60 mOhm Single P-Channel SC-88 with ESD Protection

For complete documentation, see the data sheet

Product Description

Small Signal MOSFET -12V -3.3A 60 mOhm Single P-Channel SC-88 with ESD Protection

Features

- Leading Trench Technology for Low  $R_{DS(on)}$  Extending Battery Life
- SC-88 Small Outline (2x2 mm, SC70-6 Equivalent)
- Gate Diodes for ESD Protection
- Pb-Free Packages are Available

Applications

- High Side Load Switch
- Cell Phones, Computing, Digital Cameras, MP3s and PDAs

Part Electrical Specifications

Product	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 @ $V_{GS}=2.5V$ (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)	$Q_{rr}$ Typ (nC)	$C_{iss}$ Typ (pF)	$C_{oss}$ Typ (pF)	$C_{rss}$ Typ (pF)	Packaging Type
NTJS3151PT1G	Pb-free Halide free	Active	P-Channel	Single	12	12		2.7	0.625	90	60		8.6		2.2		850	170	110	SC-88-6 / SC-70-6 / SOT-363-6
NTJS3151PT2G	Pb-free Halide free	Active	P-Channel	Single	12	12		2.7	0.625	90	60		8.6		2.2		850	170	110	SC-88-6 / SC-70-6 / SOT-363-6

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

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