



## Product Overview

### NTJS3157N: Power MOSFET 20V 4.0A 60 mOhm Single N-Channel SC-88

For complete documentation, see the data sheet

#### Product Description

Trench Power MOSFET 20 V, 4.0 A, Single N-Channel, SC-88

#### Features

- Leading Trench Technology for Low  $R_{DS(on)}$  Extending Battery Life
- Fast switching for increased circuit efficiency
- SC-88 Small Outline (2x2 mm) for Maximum Circuit Board Utilization, Same as SC-70-6
- Pb-Free Packages are Available

#### Applications

- DC-DC Conversion
- Low 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 @ $V_{GS} = 2.5$ 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
NTJS3157NT1G	Pb-free Halide free	Active	N-Channel	Single	20	8	1	4	1	70	60		6.9		1.8	5	500	75	60	SC-88-6 / SC-70-6 / SOT-363-6
NTJS3157NT2G	Pb-free Halide free	Active	N-Channel	Single	20	8	1	4	1	70	60		6.9		1.8	5	500	75	60	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)

Created on: 7/11/2015