



## Product Overview

### NTLJS3113P: Power MOSFET -20V -7.7A 40 mOhm Single P-Channel WDFN6

For complete documentation, see the data sheet

#### Product Description

Power MOSFET -20 V, -9.5 A,  $\mu$ Cool™ Single P-Channel 2x2 mm WDFN Package

#### Features

- WDFN Package Provides Exposed Drain Pad for Excellent Thermal Conduction
- 2x2 mm Footprint Same as SC-88 Package
- Lowest  $R_{DS(on)}$  Solution in 2x2 mm Package
- 1.5 V  $R_{DS(on)}$  Rating for Operation at Low Voltage Logic Level Gate Drive

#### Applications

- DC-DC Converters (Buck and Boost Circuits)
- Optimized for Battery and Load Management Applications in Portable Equipment such as Cell Phones, PDAs, and Media Players
- High Side Load Switch

#### Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(ON)}$ 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)	$Q_{tr}$ Typ (nC)	$C_{iss}$ Typ (pF)	$C_{oss}$ Typ (pF)	$C_{rss}$ Typ (pF)	Package Type
NTLJS3113PT1G	Pb-free Halide free	Active	P-Channel	Single	20	8	1	7.7	3.3	50	40		13		2.9	44	1329	213	120	WDFN-6
NTLJS3113PTAG	Pb-free Halide free	Active	P-Channel	Single	20	8	1	7.7	3.3	50	40		13		2.9	44	1329	213	120	WDFN-6

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

Created on: 7/11/2015