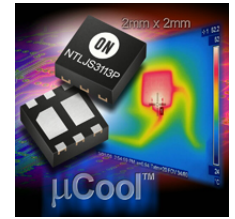




## Product Overview

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

For complete documentation, see the data sheet.



Power MOSFET -20 V, -9.5 A, μCool™ 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 RDS(on) Solution in 2x2 mm Package
- 1.5 V RDS(on) Rating for Operation at Low Voltage Logic Level Gate Drive
- Low Profile (< 0.8 mm) for Easy Fit in Thin Environments
- RoHS Compliant

### Applications

- DC-DC Converters (Buck and Boost Circuits)
- Optimized for Battery and Load Management Applications in Portable Equipment
- High Side Load Switch

### End Products

- Cell Phones
- PDAs
- Media Players

### Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V <sub>SS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS(th)</sub> Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (mΩ)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	C <sub>iss</sub> Typ (pF)	Pack- age Type
NTLJS3113PT1G	Pb-free	Active	P- Chan- nel	Singl- e	-20	8	1	5.8	1.9	50	40	-	2.6	13	1329	WDF N-6
	Halide free															
NTLJS3113PTAG	Pb-free	Active	P- Chan- nel	Singl- e	-20	8	1	5.8	1.9	50	40	-	2.6	13	1329	WDF N-6
	Halide free															

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

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