

## Product Overview

### NTLUS020N03C: MOSFET, N-Channel, 30V, 15mΩ , UDFN

For complete documentation, see the data sheet.

MOSFET, N-Channel, 30V, 15mΩ , UDFN

#### Features

- Low profile and ultra small UDFN package
- Advanced package with exposed drain pads
- Ultra low RDS(on)
- Pb Free, Halogen/BFR free

#### Applications

- Power Load Switch
- Portable Wireless Charging
- Battery Management
- DC-DC Converter
- Motor Drive

#### Benefits

- Ideal for space constraint designs
- Excellent thermal conduction
- Improve system efficiency
- RoHS compliant

#### End Products

- Smart Phones, Tablets, Notebooks, Wireless Chargers, Drones, Other wireless/Consumer/Computing End Products

### Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V <sub>SS</sub> <sup>(BR)D</sup> 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
NTLUS020N03CTAG	Pb-free Halide free	Active	N- Chan- nel	Singl- e	30	±20	2.2	8.2	1.52		22	15	4.2		600	UDF N-6

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