

## 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	Pricing (\$/Unit)	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 @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10V$ (mΩ)	$Q_g$ Typ @ $V_{GS} = 4.5V$ (nC)	$Q_g$ Typ @ $V_{GS} = 10V$ (nC)	$C_{iss}$ Typ (pF)	Package Type
NTLUS020N03CTAG	0.1667	Pb-free Halide free	Active	N-Channel	Single	30	±20	2.2	8.2	1.52		22	15	4.2		600	UDFN-6

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