



Product Overview

NTLUS4C12N: Power MOSFET 30V 10.7A 9mOhm Single N-Channel UDFN6

For complete documentation, see the data sheet

Product Description

Power MOSFET 30V 10.7A 9mOhm Single N-Channel UDFN6

Features	Benefits
<ul style="list-style-type: none"><li>UDFN Package with Exposed Drain Pads</li><li>Low Profile UDFN 2.0x2.0x0.55 mm</li><li>Ultra Low RDS(on)</li><li>PbFree, Halogen Free/BFR Free</li></ul>	<ul style="list-style-type: none"><li>Excellent Thermal Conduction</li><li>Board Space Saving</li><li>Improve System Efficiency</li><li>RoHS Compliant</li></ul>

Applications

- Battery Switch
- High Side Load Switch
- Power Load Switch

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V <sub>DS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS</sub> (th) 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 (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (m)	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)	Q <sub>gd</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>rr</sub> Typ (nC)	C <sub>iss</sub> Typ (pF)	C <sub>oss</sub> Typ (pF)	C <sub>rss</sub> Typ (pF)	Package Type
NTLUS4C12NTAG	Pb-free Halide free	Active	N-Channel	Single	30	20	2.1	10.7	1.54		12	9			2.2	20	1172	546	26	UDFN-6
NTLUS4C12NTBG	Pb-free Halide free	Active	N-Channel	Single	30	20	2.1	10.7	1.54		12	9			2.2	20	1172	546	26	UDFN-6

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