

Product Overview

NVLUS4C12N: Single N-Channel μ Cool™ Power MOSFET 30V 10.7A 9m Ω

For complete documentation, see the data sheet.

Power MOSFET
30 V, 10.7 A, Single N-Channel,
2.0x2.0x0.55 mm μ Cool™ UDFN6 Package

Features

- UDFN Package with Exposed Drain Pads
- Low Profile UDFN 2.0x2.0x0.55 mm
- Ultra Low RDS(on)
- Optimized Gate Charge
- Low Capacitance
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

Applications

- Power Load Switch
- Synch DC-DC Converters
- Wireless Charging Circuit

Benefits

- Excellent Thermal Conduction
- Board Space Saving
- Improve System Efficiency
- Reduces Switching Losses
- Minimize Driver Losses

End Products

- Automotive Infotainment modules

Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V _{BRD} SS 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 Ω)	R _{DS(on)} Max @ V _{GS} = 4.5 V (m Ω)	R _{DS(on)} Max @ V _{GS} = 10 V (m Ω)	Q _g Typ @ V _{GS} = 4.5 V (nC)	Q _g Typ @ V _{GS} = 10 V (nC)	C _{iss} Typ (pF)	Pack- age Type
NVLUS4C12NTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N- Chan- nel	Singl- e	30	20	2.1	10.7	0.63	-	12	9	-	8.4	1172	UDF N-6

For more information please contact your local sales support at www.onsemi.com.

Created on: 7/22/2019