



Product Overview

NTLUS3A90P: Power MOSFET -20V -4A 62 mOhm Single P-Channel UDFN6 with ESD Protection

For complete documentation, see the data sheet

Product Description

POWER MOSFET, -20 V, -5 A, μ Cool™ Single P-Channel, ESD, 1.6 x 1.6 x 0.55 mm UDFN Package

Features

- UDFN Package with Exposed Drain Pads
- Low Profile UDFN 1.6x1.6x0.55 mm
- Lowest RDS(on) in 1.6x1.6 Package
- ESD Protected Gate
- Halide-Free & Pb-Free

Benefits

- Excellent Thermal Conduction
- Board Space Saving, Thin Designs
- Minimize Conduction Losses, Reduce Power Loss
- Improved Ruggedness, Increased Reliability
- RoHS Compliance

Applications

- High Side Load Switch
- PA Switch and Battery Switch

End Products

- Power Management Applications for Portable Products, such as Cell Phones, PMP, DSC, GPS, and others

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ 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)	$r_{DS(on)}$ Max @ $V_{GS} = 4.5$ V (m)	$r_{DS(on)}$ Max @ $V_{GS} = 10$ V (m)	Q_g Typ @ $V_{GS} = 4.5$ V (nC)	Q_g Typ @ $V_{GS} = 10$ V (nC)	Q_{gd} Typ @ $V_{GS} = 4.5$ V (nC)	Q_{tr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NTLUS3A90PZTAG	Pb-free Halide free	Active	P-Channel	Single	20	8	1	5	2.3	95	62		12.3		3.3	6	950	90	85	UDFN-6
NTLUS3A90PZTBG	Pb-free Halide free	Active	P-Channel	Single	20	8	1	5	2.3	95	62		12.3		3.3	6	950	90	85	UDFN-6

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

Created on: 7/11/2015