



Product Overview

NTLUS3A40P: Small Signal MOSFET -20V -6.4A 29 mOhm Single P-Channel UDFN with ESD Protection

For complete documentation, see the data sheet

Product Description

POWER MOSFET, -20 V, -9.4 A, μ Cool™ Single P-Channel, ESD, 2 x 2 x 0.65 mm UDFN Package

Features

- UDFN Package with Exposed Drain Pads
- Low Profile UDFN 2.0x2.0x0.65 mm
- Lowest RDS(on) in 2x2 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
- 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} 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_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NTLUS3A40PZTAG	Pb-free Halide free	Active	P-Channel	Single	20	8	1	6.4	0.7	39	29		29		8.1	13.6	2600	600	190	UDFN-6
NTLUS3A40PZTBG	Pb-free Halide free	Active	P-Channel	Single	20	8	1	6.4	0.7	39	29		29		8.1	13.6	2600	600	190	UDFN-6

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

Created on: 7/11/2015