



Product Overview

NTLUD3A50PZ: Power MOSFET -20V -5.6A 50 mOhm Dual P-Channel uDFN6 with ESD Protection

For complete documentation, see the data sheet

Product Description

Power MOSFET, -20 V, -5.6 A, uCool, Dual P-Channel, 2.0x2.0x0.55 mm UDFN Package

Features

- UDFN Package with Exposed Drain Pads
- Low RDS(on)
- Low Profile UDFN 2.0x2.0x0.55 mm package
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant

Benefits

- Excellent Thermal Conduction
- Efficiency Improvement
- Board Space Savings

Applications

- High Side Load Switch
- Reverse Current Protection
- Battery Switch
- Optimized for Power Management Applications for Portable Products, such as Cell Phones, PMP, DSC, GPS, and others

End Products

- 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_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NTLUD3A50PZTAG	Pb-free Halide free	Active	P-Channel	Dual	20	8	1	4.4	1.4	70	50		10.4		3		920	85	80	UDFN-6
NTLUD3A50PZTBG	Pb-free Halide free	Active	P-Channel	Dual	20	8	1	4.4	1.4	70	50		10.4		3		920	85	80	UDFN-6

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

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