



Product Overview

NTDV3055L104: Power MOSFET 60V 12A Single N-Channel DPAK Logic Level

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. Designed for low voltage, high speed switching applications in power supplies, converters and power motor controls and bridge circuits. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Lower $R_{DS(on)}$
- Lower $V_{DS(on)}$
- Tighter V_{SD} Specification
- Lower Diode Reverse Recovery Time
- Lower Reverse Recovery Stored Charge
- Pb-Free Packages are Available

Applications

- Power Supplies
- Converters
- Power Motor Controls
- Bridge Circuits

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(BR)}$ Min (V)	V_{GS} Max (V)	$V_{GS(th)}$ Max (V)	I_D Max (A)	P_D Max (W)	$r_{DS(on)}$ Max @ $V_{GS} = 2.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS} = 10V$ (m)	Q_g Typ @ $V_{GS} = 4.5V$ (nC)	Q_g Typ @ $V_{GS} = 10V$ (nC)	Q_{gd} Typ @ $V_{GS} = 4.5V$ (nC)	Q_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NTDV3055L104T4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	15	2	12	48		104		7.4			0.04	316	105	35	DPAK-3

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

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