



Product Overview

NVMFD5489NL: Power MOSFET 60V 12A 65 mOhm Dual N-Channel SO-8FL Logic Level

For complete documentation, see the data sheet

Product Description

60 V, 65 mOhms, 12 A, Dual N-Channel Logic Level, Dual SO-8FL Power MOSFET

Features

- Low on resistance
- High avalanche energy capability
- 100% avalanche rated
- AEC-Q101 qualified

Benefits

- Minimal conduction losses
- Robust load performance
- Safeguard against voltage overstress failures
- Suitable for automotive applications

Applications

- Solenoid driver
- Low side / high side driver

End Products

- Automotive engine controllers
- Antilock braking systems

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(BR)}$ Min (V)	V_{GS} Max (V)	$V_{GS(on)}$ 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)	Packaging Type
NVMFD5489NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	12	23.4		79	65		12.4	4.74	26.5	330	80	39	SO-8FL Dual / DF N-8
NVMFD5489NLT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	12	23.4		79	65		12.4	4.74	26.5	330	80	39	SO-8FL Dual / DF N-8
NVMFD5489NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	12	23.4		79	65		12.4	4.74	26.5	330	80	39	SO-8FL Dual / DF N-8
NVMFD5489NLWFT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	12	23.4		79	65		12.4	4.74	26.5	330	80	39	SO-8FL Dual / DF N-8

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

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