



Product Overview

NTTFS5820NL: Power MOSFET 60V 37A 11.5 mOhm Single N-Channel u8FL Logic Level

For complete documentation, see the data sheet

Product Description

Single N-Channel Logic Level Power MOSFET 60 V, 29 A, 11.5 mOhm u8FL

Features	Benefits
<ul style="list-style-type: none">Low RDS(on)AEC-Q101 QualifiedPb-Free and Halogen FreeHigh current capability	<ul style="list-style-type: none">Minimize conduction lossesSuitable for automotive applicationsRoHS compliantRobust load drive performance

Applications	End Products
<ul style="list-style-type: none">Automotive motor controlAutomotive solenoid/relay driverAutomotive lamp driver	<ul style="list-style-type: none">Automotive ECUAutomotive Body Controller

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} = 2.5 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
NTTFS5820NLTAG	Pb-free Halide free	Active	N-Channel	Single	60	20	2.3	37	33		15	11.5	15	28	8	15	1462	150	96	u8FL / WD FN-8

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

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