



Product Overview

NTP5860N: Power MOSFET 60V 169A 3.0 mOhm Single N-Channel TO-220

For complete documentation, see the data sheet

Product Description

60 V, 3 mOhm, 220 A, N-Channel, D2PAK Power MOSFET

Features	Benefits
<ul style="list-style-type: none">Low RDS(on)AEC-Q101 qualifiedHigh current capabilityPbFree, Halogen Free	<ul style="list-style-type: none">Low conduction lossesSuitable for automotive applicationsGood for high power applicationsRoHS compliant

Applications	End Products
<ul style="list-style-type: none">Motor ControlBattery ProtectionLoad Switch	<ul style="list-style-type: none">Chassis Module

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
NTP5860NG	Pb-free Halide free	Active	N-Channel	Single	60	20	4	169	167			3		180	57	76	10760	1125	700	TO-220 FU LLP AK-3

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

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