



PSMN059-150Y,115

Manufacturer Part Number	PSMN059-150Y,115
Manufacturer	Nexperia
Allelco Part Number	32D-PSMN059-150Y,115
ECAD Model	3D Model
Parts Description	MOSFET N-CH 150V 43A LFPAK56
Package	SC-100, SOT-669
Data sheet	PSMN059-150Y.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PSMN059-150Y,115 - Nexperia USA Inc..New Original in Stock. Download Linear Technology PSMN059-150Y,115 datasheet/specifications on AllelcoElec.com.
Request a quote for PSMN059-150Y,115, please send us email: info@allelco.com

Specifications

PSMN059-150Y,115 Tech Specifications
PSMN059-150Y,115 - Nexperia USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Nexperia	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1529 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	27.9 nC @ 10 V
Supplier Device Package	LFPAK56, Power-SO8	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	59mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	113W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	SC-100, SOT-669	Current - Continuous Drain (Id) @ 25°C	43A (Tc)
Package	Tape & Reel (TR)	Base Product Number	PSMN059

Parts with Similar Specifications

The three parts on the right have similar specifications to Nexperia USA Inc. PSMN059-150Y,115

Product Attribute	NO PICTURE			
Part Number	PSMN059-150Y,115	PSMN070-200B,118	PSMN041-80YL	PSMN070-200P
Manufacturer	Nexperia USA Inc.	Nexperia USA Inc.	Freescale / NXP Semiconductors	Freescale / NXP Semiconductors
Drain to Source Voltage (Vdss)	150 V	200 V	-	-
Gate Charge (Qg) (Max) @ Vgs	27.9 nC @ 10 V	77 nC @ 10 V	-	-
Package / Case	SC-100, SOT-669	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	-	-
Current - Continuous Drain (Id) @ 25°C	43A (Tc)	35A (Tc)	-	-
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-	-
Power Dissipation (Max)	113W (Tc)	250W (Tc)	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Rds On (Max) @ Id, Vgs	59mOhm @ 12A, 10V	70mOhm @ 17A, 10V	-	-
Vgs (Max)	±20V	±20V	-	-
Vgs(th) (Max) @ Id	4V @ 1mA	4V @ 1mA	-	-
Base Product Number	PSMN059	-	-	-
Supplier Device Package	LFPAK56, Power-SO8	D2PAK	-	-
Input Capacitance (Ciss) (Max) @ Vds	1529 pF @ 30 V	4570 pF @ 25 V	-	-
FET Type	N-Channel	N-Channel	-	-
Series	-	TrenchMOS™	-	-

PSMN059-150Y,115 Datasheet PDF

Download PSMN059-150Y,115 pdf datasheets and Nexperia USA Inc. documentation for PSMN059-150Y,115 - Nexperia USA Inc..

Datasheets

PSMN059-150Y.pdf

PCN Packaging



















All Dev Label Chgs 2/Aug/2020.pdf

Mult Devices Label 30/Sep/2018.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
PSMN041-80YL Freescale / NXP Semiconductors	PSMN070-200P Freescale / NXP Semiconductors	PSMN063-150D Freescale / NXP Semiconductors	PSMN040-200W PHM	PSMN069-100YS Nexperia	PSMN070-200B NXP USA Inc. 35A, 200V, 0.070HM, N-CHANNEL
					
PSMN050-80BS VBSEMI	PSMN050-80PS Freescale / NXP Semiconductors	PSMN070-200B MOS LUMILEDS	PSMN070-200B,118 NXP USA Inc. MOSFET N-CH 200V 35A D2PAK	PSMN057-200P.127 Freescale / NXP Semiconductors	PSMN057-200P Freescale / NXP Semiconductors
					
PSMN063-150D MOS LUMILEDS	PSMN070-200B,118 Nexperia USA Inc. MOSFET N-CH 200V 35A D2PAK	PSMN045-80YS Freescale / NXP Semiconductors	PSMN059-150Y Freescale / NXP Semiconductors	PSMN057-200B Freescale / NXP Semiconductors	PSMN063-150D+118 Freescale / NXP Semiconductors

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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