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See specifications for product details.



NVMFS5A160PLZT1G

Manufacturer Part Number	NVMFS5A160PLZT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMFS5A160PLZT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	-60V7.7MOHMSINGLE
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMFS5A160PLZ.pdf

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Specifications

NVMFS5A160PLZT1G Tech Specifications
NVMFS5A160PLZT1G - AMI Semiconductor / ON Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Mounting Type	Surface Mount
Vgs(th) (Max) @ Id	2.6V @ 1mA	Lead Free Status	Lead free
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	7700pF @ 20V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	160nC @ 10V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	P-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	7.7 mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.8W (Ta), 200W (Tc)	Drain to Source Voltage (Vdss)	60V
Package / Case	8-PowerTDFN, 5 Leads	Detailed Description	P-Channel 60V 15A (Ta), 100A (Tc) 3.8W (Ta), 200W (Tc) Surface Mount 5-DFN (5x6) (8-SOFL)
Operating Temperature	-55°C ~ 175°C (TJ)	Current - Continuous Drain (Id) @ 25°C	15A (Ta), 100A (Tc)

Parts with Similar Specifications

The three parts on the right have similar specifications to AMI Semiconductor / ON Semiconductor NVMFS5A160PLZT1G

Product Attribute				
Part Number	NVMFS5A160PLZT1G	NVMFS5885NLT3G	NVMFS5C404NLWFAFT1G	NVMFS5A140PLZWFT1G
Manufacturer	AMI Semiconductor / ON Semiconductor	onsemi	onsemi	onsemi
Current - Continuous Drain (Id) @ 25°C	15A (Ta), 100A (Tc)	10.2A (Ta)	370A (Tc)	20A (Ta), 140A (Tc)
FET Type	P-Channel	N-Channel	N-Channel	P-Channel
Drain to Source Voltage (Vdss)	60V	60 V	40 V	40 V
Lead Free Status	Lead free	-	-	-
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
FET Feature	-	-	-	-
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	2.6V @ 1mA	2.5V @ 250µA	2V @ 250µA	2.6V @ 1mA
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	7.7 mOhm @ 50A, 10V	15mOhm @ 15A, 10V	0.67mOhm @ 50A, 10V	4.2mOhm @ 50A, 10V
Gate Charge (Qg) (Max) @ Vgs	160nC @ 10V	21 nC @ 10 V	81 nC @ 4.5 V	136 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds	7700pF @ 20V	1340 pF @ 25 V	12168 pF @ 25 V	7400 pF @ 20 V
Power Dissipation (Max)	3.8W (Ta), 200W (Tc)	3.7W (Ta), 54W (Tc)	200W (Tc)	3.8W (Ta), 200W (Tc)
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Detailed Description	P-Channel 60V 15A (Ta), 100A (Tc) 3.8W (Ta), 200W (Tc) Surface Mount 5-DFN (5x6) (8-SOFL)	-	-	-

NVMFS5A160PLZT1G Datasheet PDF







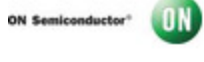
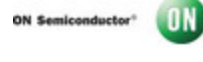
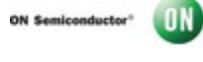

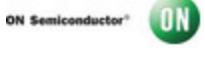



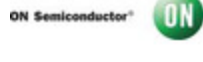

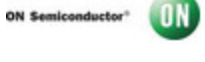

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Datasheets

NVMFS5A160PLZ.pdf

Customers Also Interested in

Recommended Products

 NVMFS5885NLT3G onsemi MOSFET N-CH 60V 10.2A 5DFN	 NVMFS5C404NLWFAFT1G onsemi MOSFET N-CH 40V 370A 5DFN	 NVMFS5A140PLZWFT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN	 NVMFS5C404NLWFT1G onsemi MOSFET N-CH 40V 49A/352A 5DFN	 NVMFS5885NLT1G onsemi MOSFET N-CH 60V 10.2A 5DFN	 NVMFS5844NLT1G onsemi MOSFET N-CH 60V 11.2A 5DFN
 NVMFS5A160PLZT3G onsemi MOSFET P-CH 60V 15A/100A 5DFN	 NVMFS5C410NAFT1G onsemi MOSFET N-CH 40V 46A/300A 5DFN	 NVMFS5A160PLZWFT1G onsemi MOSFET P-CH 60V 15A/100A 5DFN	 NVMFS5885NLWFT1G onsemi MOSFET N-CH 60V 10.2A 5DFN	 NVMFS5C404NLAFT1G onsemi MOSFET N-CH 40V 370A 5DFN	 NVMFS5A140PLZT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN
 NVMFS5C406NT1G onsemi MOSFET N-CH 40V 52A/353A 5DFN	 NVMFS5844NLWFT1G onsemi MOSFET N-CH 60V 61A S08FL	 NVMFS5844NLT3G onsemi POWER MOSFET, SINGLE N-CHANNEL,	 NVMFS5834NLWFT1G onsemi MOSFET N-CH 40V 75A S08FL	 NVMFS5C404NWFT1G onsemi MOSFET N-CH 40V 53A/378A 5DFN	 NVMFS5C404NT1G onsemi MOSFET N-CH 40V 49A 5DFN

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.

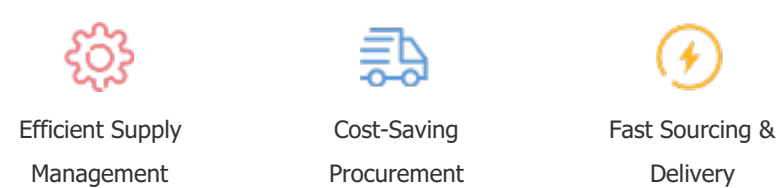
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Payment Support

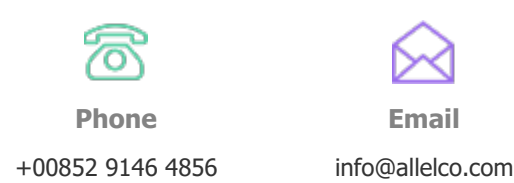
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



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Certifications & Memberships



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