





NVTF5116PLWFTAG

Manufacturer Part Number	NVTF5116PLWFTAG
Manufacturer	onsemi
Allelco Part Number	32D-NVTF5116PLWFTAG
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 60V 6A 8WDFN
Package	8-PowerWDFN
Data sheet	NVTF5116PL.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

NVTF5116PLWFTAG - onsemi.New Original in Stock. Download Linear Technology NVTF5116PLWFTAG datasheet/specifications on AllelcoElec.com.

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Specifications



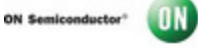

NVTF5116PLWFTAG Tech Specifications

NVTF5116PLWFTAG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1258 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V
Supplier Device Package	8-WDFN (3.3x3.3)	FET Type	P-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	52mOhm @ 7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.2W (Ta), 21W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	6A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NVTF5116

Parts with Similar Specifications

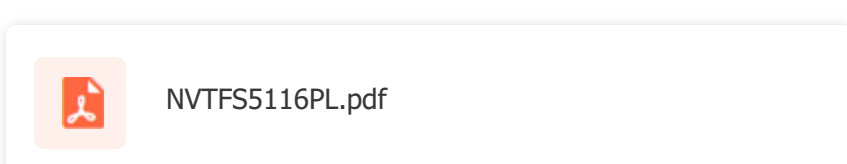
The three parts on the right have similar specifications to onsemi NVTF5116PLWFTAG

Product Attribute	 NO PICTURE			
Part Number	NVTF5116PLWFTAG	NVTF5820NLTWG	NVTF5820NLTAG	NVTF5124PLWFTAG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)
FET Type	P-Channel	N-Channel	N-Channel	P-Channel
Package / Case	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN
Power Dissipation (Max)	3.2W (Ta), 21W (Tc)	3.2W (Ta), 21W (Tc)	3.2W (Ta), 21W (Tc)	3W (Ta), 18W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Vgs(th) (Max) @ Id	3V @ 250µA	2.3V @ 250µA	2.3V @ 250µA	2.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	25 nC @ 10 V	28 nC @ 10 V	28 nC @ 10 V	6 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	1258 pF @ 25 V	1462 pF @ 25 V	1462 pF @ 25 V	250 pF @ 25 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Continuous Drain (Id) @ 25°C	6A (Ta)	11A (Ta)	11A (Ta)	2.4A (Ta)
Base Product Number	NVTF5116	NVTF5820	NVTF5820	NVTF5124
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	52mOhm @ 7A, 10V	11.5mOhm @ 8.7A, 10V	11.5mOhm @ 8.7A, 10V	260mOhm @ 3A, 10V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101

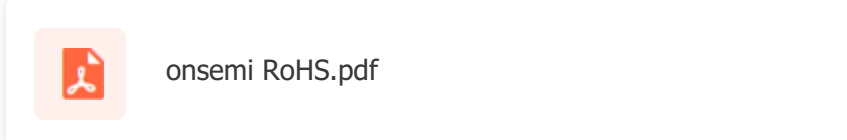
NVTF5116PLWFTAG Datasheet PDF

Download NVTF5116PLWFTAG pdf datasheets and onsemi documentation for NVTF5116PLWFTAG - onsemi.

Datasheets



Environmental Information










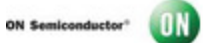










PCN Assembly/Origin



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Recommended Products

 NVTFS5820NLTWG onsemi MOSFET N-CH 60V 11A 8WDFN	 NVTFS5820NLTAG onsemi MOSFET N-CH 60V 11A 8WDFN	 NVTFS5124PLWFTAG onsemi MOSFET P-CH 60V 2.4A 8WDFN	 NVTFS5811NLTAG AMI Semiconductor / ON Semiconductor MOSFET N-CH 40V 40A 8WDFN	 NVTFS4C10NWFTAG onsemi MOSFET N-CH 30V 15.3A/47A 8WDFN	 NVTFS4C13NTWG onsemi MOSFET N-CH 30V 14A 8WDFN
 NVTFS5124PLTAG onsemi MOSFET P-CH 60V 2.4A 8WDFN	 NVTFS5116PLWFTWG onsemi MOSFET P-CH 60V 6A 8WDFN	 NVTFS5124PLTWG onsemi MOSFET P-CH 60V 2.4A 8WDFN	 NVTFS5116PLTWG onsemi MOSFET P-CH 60V 6A 8WDFN	 NVTFS4C13NWFTAG onsemi MOSFET N-CH 30V 14A 8WDFN	 NVTFS4C25N AMI Semiconductor/onsemi
 NVTFS4C25NWFTAG onsemi MOSFET N-CH 30V 10.1A/22.1A 8DFN	 NVTFS4C13NTAG onsemi MOSFET N-CH 30V 14A 8WDFN	 NVTFS5820NLWFTWG onsemi MOSFET N-CH 60V 11A 8WDFN	 NVTFS5116PLTAG onsemi MOSFET P-CH 60V 6A 8WDFN	 NVTFS5811NLWFTWG onsemi MOSFET N-CH 40V 16A 8WDFN	 NVTFS4C25NTAG onsemi MOSFET N-CH 30V 10.1A/22.1A 8DFN

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.




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The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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