



Image may be representation.
See specifications for product details.



AUIRF3004WL

Manufacturer Part Number	AUIRF3004WL
Manufacturer	Infineon Technologies
Allelco Part Number	32D-AUIRF3004WL
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 240A TO262-3
Package	TO-262-3 Wide Leads
Data sheet	AUIRF3004WL.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AUIRF3004WL - Infineon Technologies.New Original in Stock. Download Linear Technology AUIRF3004WL datasheet/specifications on AllelcoElec.com.
Request a quote for AUIRF3004WL, please send us email: info@allelco.com

Specifications

AUIRF3004WL Tech Specifications
AUIRF3004WL - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	9450 pF @ 32 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V
Supplier Device Package	TO-262-3 Wide	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	1.4mOhm @ 195A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	375W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-262-3 Wide Leads	Current - Continuous Drain (Id) @ 25°C	240A (Tc)
Package	Tube	Base Product Number	AUIRF3004

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies AUIRF3004WL

Product Attribute				
Part Number	AUIRF3004WL	AUIRF2804S-7P	AUIRF3205Z	AUIRF3205ZS
Manufacturer	Infineon Technologies	International Rectifier	Infineon Technologies	International Rectifier
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Supplier Device Package	TO-262-3 Wide	D2PAK (7-Lead)	TO-220AB	D2PAK
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V	260 nC @ 10 V	110 nC @ 10 V	110 nC @ 10 V
Package / Case	TO-262-3 Wide Leads	TO-263-7, D²Pak (6 Leads + Tab), TO-263CB	TO-220-3	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Package	Tube	Bulk	Tube	Bulk
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Base Product Number	AUIRF3004	AUIRF2804	AUIRF3205	-
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Drain to Source Voltage (Vdss)	40 V	40 V	55 V	55 V
Input Capacitance (Ciss) (Max) @ Vds	9450 pF @ 32 V	6930 pF @ 25 V	3450 pF @ 25 V	3450 pF @ 25 V
FET Feature	-	-	-	-
Power Dissipation (Max)	375W (Tc)	330W (Tc)	170W (Tc)	170W (Tc)
Current - Continuous Drain (Id) @ 25°C	240A (Tc)	240A (Tc)	75A (Tc)	75A (Tc)
Rds On (Max) @ Id, Vgs	1.4mOhm @ 195A, 10V	1.6mOhm @ 160A, 10V	6.5mOhm @ 66A, 10V	6.5mOhm @ 66A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

AUIRF3004WL Datasheet PDF

Download AUIRF3004WL pdf datasheets and Infineon Technologies documentation for AUIRF3004WL - Infineon Technologies.

Other Related Documents

[Part Number Guide.pdf](#)

PCN Design/Specification

[Mult Dev Label Chgs 8/Sep/2021.pdf](#)



















[Copper 04/Mar/2016.pdf](#)

PCN Packaging

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

		 NO PICTURE	 NO PICTURE		 NO PICTURE
AUIRF3205Z MOS Cypress Semiconductor (Infineon Technologies)	AUIRF2804S-7P International Rectifier PFET, 240A I(D), 40V, 0.0016OHM,	AUIRF2805 MOS IR	AUIRF3205Z Infineon Technologies MOSFET N-CH 55V 75A TO220AB	AUIRF3205ZS International Rectifier MOSFET N-CH 55V 75A D2PAK	AUIRF2804S-7PPBF IR
					
AUIRF3205ZSTRL Infineon Technologies MOSFET N-CH 55V 75A D2PAK	AUIRF2805 International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRF3007 International Rectifier MOSFET N-CH 75V 75A TO220AB	AUIRF3305 International Rectifier AUIRF3305 - 55V-60V N-CHANNEL AU	AUIRF2907Z International Rectifier MOSFET N-CH 75V 75A TO220AB	AUIRF2804WL Infineon Technologies MOSFET N-CH 40V 240A TO262-3
					
AUIRF3315S International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRF2804STRL7P Infineon Technologies MOSFET N-CH 40V 240A D2PAK	AUIRF2804STRL Infineon Technologies MOSFET N-CH 40V 195A D2PAK	AUIRF2807 International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRF3205 Infineon Technologies AUIRF3205 - 55V-60V N-CHANNEL AU	AUIRF2903ZS International Rectifier MOSFET N-CH 30V 160A D2PAK

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
+00852 9146 4856
-  Email
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Certifications & Memberships



View More

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