



# IRFH8324TRPBF

Manufacturer Part Number	<b>IRFH8324TRPBF</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IRFH8324TRPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 30V 23A/90A PQFN
Package	8-PowerTDFN
Data sheet	IRFH8324TRPBF.pdf
RoHs Status	ROHS3 Compliant



**Get a Quote**

IRFH8324TRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRFH8324TRPBF datasheet/specifications on AllelcoElec.com.  
Request a quote for IRFH8324TRPBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IRFH8324TRPBF Tech Specifications

IRFH8324TRPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.35V @ 50µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2380 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	31 nC @ 10 V
Supplier Device Package	PQFN (5x6)	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	4.1mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.6W (Ta), 54W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	23A (Ta), 90A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRFH8324

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFH8324TRPBF

Product Attribute				
Part Number	IRFH8324TRPBF	IRFH8330TRPBF	IRFH8321TRPBF	IRFH8325TRPBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Supplier Device Package	PQFN (5x6)	PQFN (5x6)	PQFN (5x6)	PQFN (5x6)
Package / Case	8-PowerTDFN	8-PowerTDFN	8-TQFN Exposed Pad	8-PowerTDFN
Base Product Number	IRFH8324	IRFH8330	-	IRFH8325
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	3.6W (Ta), 54W (Tc)	3.3W (Ta), 35W (Tc)	3.4W (Ta), 54W (Tc)	3.6W (Ta), 54W (Tc)
Current - Continuous Drain (Id) @ 25°C	23A (Ta), 90A (Tc)	17A (Ta), 56A (Tc)	21A (Ta), 83A (Tc)	21A (Ta), 82A (Tc)
Rds On (Max) @ Id, Vgs	4.1mOhm @ 20A, 10V	6.6mOhm @ 20A, 10V	4.9mOhm @ 20A, 10V	5mOhm @ 20A, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	2.35V @ 50µA	2.35V @ 25µA	2V @ 50µA	2.35V @ 50µA
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Vgs (Max)	±20V	±20V	±20V	±20V
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Input Capacitance (Ciss) (Max) @ Vds	2380 pF @ 10 V	1450 pF @ 25 V	2600 pF @ 10 V	2487 pF @ 10 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	31 nC @ 10 V	20 nC @ 10 V	59 nC @ 10 V	32 nC @ 10 V

## IRFH8324TRPBF Datasheet PDF

Download IRFH8324TRPBF pdf datasheets and Infineon Technologies documentation for IRFH8324TRPBF - Infineon Technologies.

### PCN Assembly/Origin

Backend Wafer Transfer 23/Oct/2013.pdf

### PCN Design/Specification



















Mult Dev Label Chgs Aug/2020.pdf

Mult Dev Lot Chgs 25/May/2021.pdf

### PCN Packaging

## Customers Also Interested in

### Recommended Products

 <b>IRFH8330TRPBF</b> Infineon Technologies MOSFET N-CH 30V 17A/56A PQFN	 <b>IRFH8333TR2PBF</b> IRF	 <b>IRFH8324</b> IR	 <b>IRFH8321TRPBF</b> Infineon Technologies MOSFET N CH 30V 21A PQFN5X6	 <b>IRFH8325TRPBF</b> Infineon Technologies MOSFET N-CH 30V 21A/82A PQFN	 <b>IRFH8334TRPBF</b> Infineon Technologies MOSFET N-CH 30V 14A/44A PQFN
 <b>IRFH8318TPBF</b> IR	 <b>IRFH8316TRPBF</b> International Rectifier IRFH8316 - 12V-300V N-CHANNEL PO	 <b>IRFH8318</b> IR	 <b>IRFH8324TR2PBF</b> Infineon Technologies MOSFET N-CH 30V 23A/90A PQFN	 <b>IRFH8318TRPBF</b> Infineon Technologies MOSFET N-CH 30V 27A/120A PQFN	 <b>IRFH8318TRPBF MOS</b> IR
 <b>IRFH8321</b> IR	 <b>IRFH8334</b> IR	 <b>IRFH8334TR2PBF</b> Infineon Technologies MOSFET N-CH 30V 12A 5X6 PQFN	 <b>IRFH8316TR2PBF</b> IR	 <b>IRFH8325TR2PBF MOS</b> IR	 <b>IRFH8325TR2PBF</b> Infineon Technologies MOSFET N-CH 30V 17A 5X6 PQFN

## 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 -

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Contact us if you have any questions.

-  Phone  
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### Certifications & Memberships



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