



# IRF9383MTRPBF

Manufacturer Part Number	<b>IRF9383MTRPBF</b>
Manufacturer	<b>Infinion Technologies</b>
Allelco Part Number	32D-IRF9383MTRPBF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 30V 22A DIRECTFET
Package	DirectFET™ Isometric MX
Data sheet	IRF9383MTRPBF.pdf
RoHs Status	ROHS3 Compliant



**Get a Quote**

IRF9383MTRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRF9383MTRPBF datasheet/specifications on AllelcoElec.com.  
Request a quote for IRF9383MTRPBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IRF9383MTRPBF Tech Specifications

IRF9383MTRPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-40°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.4V @ 150µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	7305 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	130 nC @ 10 V
Supplier Device Package	DIRECTFET™ MX	FET Type	P-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.9mOhm @ 22A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.1W (Ta), 113W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	DirectFET™ Isometric MX	Current - Continuous Drain (Id) @ 25°C	22A (Ta), 160A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRF9383

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRF9383MTRPBF

Product Attribute	NO PICTURE			
Part Number	IRF9383MTRPBF	IRF9392TRPBF	IRF9388TRPBF	IRF9392PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	2.9mOhm @ 22A, 10V	12.1mOhm @ 7.8A, 20V	8.5mOhm @ 12A, 20V	12.1mOhm @ 7.8A, 20V
Base Product Number	IRF9383	-	IRF9388	IRF9392
FET Type	P-Channel	P-Channel	P-Channel	P-Channel
Input Capacitance (Ciss) (Max) @ Vds	7305 pF @ 15 V	1270 pF @ 25 V	1680 pF @ 25 V	1270 pF @ 25 V
Operating Temperature	-40°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	DIRECTFET™ MX	8-SO	8-SO	8-SO
Power Dissipation (Max)	2.1W (Ta), 113W (Tc)	2.5W (Ta)	2.5W (Ta)	2.5W (Ta)
Vgs (Max)	±20V	±25V	±25V	±25V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V, 20V	10V, 20V	10V, 20V
Vgs(th) (Max) @ Id	2.4V @ 150µA	2.4V @ 25µA	2.4V @ 25µA	2.4V @ 25µA
Package / Case	DirectFET™ Isometric MX	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Current - Continuous Drain (Id) @ 25°C	22A (Ta), 160A (Tc)	9.8A (Ta)	12A (Ta)	9.8A (Ta)
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Gate Charge (Qg) (Max) @ Vgs	130 nC @ 10 V	14 nC @ 4.5 V	52 nC @ 10 V	14 nC @ 4.5 V

## IRF9383MTRPBF Datasheet PDF

Download IRF9383MTRPBF pdf datasheets and Infineon Technologies documentation for IRF9383MTRPBF - Infineon Technologies.

### Other Related Documents

IR Part Numbering System.pdf

### PCN Design/Specification

Mult Dev Label Chgs 8/Sep/2021.pdf

### PCN Packaging

Package Drawing Update 19/Aug/2015.pdf

### PCN Other

MSL Update 20/Feb/2014.pdf

### PCN Assembly/Origin

Mult Dev A/T Add 26/Feb/2021.pdf

### PCN Obsolescence/ EOL

IRF9383MTRPBF EOL 4/Apr/2018.pdf

IRF9383MTRPBF Reinstate 25/Jun/2018.pdf

## Customers Also Interested in

### Recommended Products



#### IRF9362TRPBF

Infineon Technologies  
MOSFET 2P-CH 30V 8A 8SOIC



#### IRF9392TRPBF

Infineon Technologies  
MOSFET P-CH 30V 9.8A 8SO



NO PICTURE

#### IRF9358TRPBF MOS

IR



#### IRF9389TRPBF

Infineon Technologies  
MOSFET N/P-CH 30V 6.8A/4.6A 8-SO



NO PICTURE

#### IRF9388

IR



NO PICTURE

#### IRF9362PBF MOS

IR



#### IRF9388TRPBF

Infineon Technologies  
MOSFET P-CH 30V 12A 8SO



NO PICTURE

#### IRF9389PBF MOS

IR



NO PICTURE

#### IRF9358

IR



#### IRF9358TRPBF

Infineon Technologies  
MOSFET 2P-CH 30V 9.2A 8SOIC



#### IRF9362PBF

Infineon Technologies  
MOSFET 2P-CH 30V 8A 8SOIC



NO PICTURE

#### IRF9389

IR



NO PICTURE

#### IRF9335TRPBF MOS

IRF



NO PICTURE

#### IRF9362

IR



NO PICTURE

#### IRF9388TRPBF MOS

IR



#### IRF9358PBF

Infineon Technologies  
MOSFET 2P-CH 30V 9.2A 8SOIC



NO PICTURE

#### IRF9362TRPBF MOS

IR



#### IRF9392PBF

Infineon Technologies  
MOSFET P-CH 30V 9.8A 8SO

## 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.



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## Certifications & Memberships



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