



# IRF6727MTRPBF

Manufacturer Part Number	<b>IRF6727MTRPBF</b>
Manufacturer	<b>Infinion Technologies</b>
Allelco Part Number	32D-IRF6727MTRPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 30V 32A DIRECTFET
Package	DirectFET™ Isometric MX
Data sheet	IRF6727MTRPBF.pdf
RoHs Status	ROHS3 Compliant



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IRF6727MTRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRF6727MTRPBF datasheet/specifications on AllelcoElec.com.  
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## Specifications

IRF6727MTRPBF Tech Specifications

IRF6727MTRPBF - 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	2.35V @ 100µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	6190 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	74 nC @ 4.5 V
Supplier Device Package	DIRECTFET™ MX	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	1.7mOhm @ 32A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.8W (Ta), 89W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	DirectFET™ Isometric MX	Current - Continuous Drain (Id) @ 25°C	32A (Ta), 180A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRF6727

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRF6727MTRPBF

Product Attribute				
Part Number	IRF6727MTRPBF	IRF6725MTR1PBF	IRF6729MTRPBF	IRF6722STR1PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Gate Charge (Qg) (Max) @ Vgs	74 nC @ 4.5 V	54 nC @ 4.5 V	63 nC @ 4.5 V	17 nC @ 4.5 V
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	DirectFET™ Isometric MX	DirectFET™ Isometric MX	DirectFET™ Isometric MX	DirectFET™ Isometric ST
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	6190 pF @ 15 V	4700 pF @ 15 V	6030 pF @ 15 V	1320 pF @ 15 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	2.8W (Ta), 89W (Tc)	2.8W (Ta), 100W (Tc)	2.8W (Ta), 104W (Tc)	2.2W (Ta), 42W (Tc)
FET Feature	-	-	-	-
Base Product Number	IRF6727	-	-	-
Vgs(th) (Max) @ Id	2.35V @ 100µA	2.35V @ 100µA	2.35V @ 150µA	2.4V @ 50µA
Current - Continuous Drain (Id) @ 25°C	32A (Ta), 180A (Tc)	28A (Ta), 170A (Tc)	31A (Ta), 190A (Tc)	13A (Ta), 58A (Tc)
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	1.7mOhm @ 32A, 10V	2.2mOhm @ 28A, 10V	1.8mOhm @ 31A, 10V	7.3mOhm @ 13A, 10V
Supplier Device Package	DIRECTFET™ MX	DIRECTFET™ MX	DIRECTFET™ MX	DIRECTFET™ ST
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V

## IRF6727MTRPBF Datasheet PDF

Download IRF6727MTRPBF pdf datasheets and Infineon Technologies documentation for IRF6727MTRPBF - Infineon Technologies.

### Other Related Documents

IR Part Numbering System.pdf

### PCN Design/Specification

Mult Dev Label Chgs 8/Sep/2021.pdf

### PCN Packaging

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Package Drawing Update 19/Aug/2015.pdf

Mult Device Standard Label Chg 29/Sep/2017.pdf

### PCN Obsolescence/ EOL

Multiple Devices 20/Dec/2013.pdf

### PCN Other



















MSL Update 20/Feb/2014.pdf

### PCN Assembly/Origin

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

## Customers Also Interested in

### Recommended Products

					
<b>IRF6725MTR1PBF</b> Infineon Technologies MOSFET N-CH 30V 28A DIRECTFET	<b>IRF6729MTRPBF</b> Infineon Technologies MOSFET N-CH 30V 31A DIRECTFET	<b>IRF6722STR1PBF</b> Infineon Technologies MOSFET N-CH 30V 13A DIRECTFET	<b>IRF6795MTRPBF MOS</b> IR	<b>IRF6726MTRPBF</b> International Rectifier IRF6726 - 12V-300V N-CHANNEL POW	<b>IRF6795MTRPBF</b> International Rectifier IRF6795 - 12V-300V N-CHANNEL POW
					
<b>IRF6775MTRPBF</b> Infineon Technologies MOSFET N-CH 150V 4.9A DIRECTFET	<b>IRF6775MTR1PBF</b> Infineon Technologies MOSFET N-CH 150V 4.9A DIRECTFET	<b>IRF6721STRPBF MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>IRF6723M2DTRPBF</b> Infineon Technologies MOSFET 2N-CH 30V 15A DIRECTFET	<b>IRF6795MTR1PBF</b> Infineon Technologies MOSFET N-CH 25V 32A DIRECTFET	<b>IRF6797MTRPBF</b> International Rectifier MOSFET N-CH 25V 36A/210A DIRECT
					
<b>IRF6798MTR1PBF</b> Infineon Technologies MOSFET N-CH 25V 37A DIRECTFET	<b>IRF6785MTRPBF</b> International Rectifier IRF6785 - 12V-300V N-CHANNEL POW	<b>IRF6718L2TRPBF</b> Infineon Technologies MOSFET N-CH 25V 61A DIRECTFET	<b>IRF6725MTRPBF</b> International Rectifier DIRECTFET POWER MOSFET	<b>IRF6727MTR1PBF</b> Infineon Technologies MOSFET N-CH 30V 32A DIRECTFET	<b>IRF6721STRPBF</b> International Rectifier MOSFET N-CH 30V 14A/60A DIRECTFT

## 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  
info@allelco.com

### Certifications & Memberships



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