


IRF6621TR1PBF

Manufacturer Part Number	IRF6621TR1PBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRF6621TR1PBF
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 30V 12A DIRECTFET
Package	DirectFET™ Isometric SQ
Data sheet	IRF6621(TR)PbF.pdf


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IRF6621TR1PBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRF6621TR1PBF datasheet/specifications on AllelcoElec.com.
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Specifications





IRF6621TR1PBF Tech Specifications

IRF6621TR1PBF - 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	2.25V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1460 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	17.5 nC @ 4.5 V
Supplier Device Package	DIRECTFET™ SQ	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	9.1mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.2W (Ta), 42W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	DirectFET™ Isometric SQ	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 55A (Tc)
Package	Tape & Reel (TR)		

Parts with Similar Specifications


The three parts on the right have similar specifications to Infineon Technologies IRF6621TR1PBF

Product Attribute	 NO PICTURE			
Part Number	IRF6621TR1PBF	IRF6620TR1PBF	IRF6620TRPBF	IRF6622TR1PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Vgs (Max)	±20V	±20V	±20V	±20V
Drain to Source Voltage (Vdss)	30 V	20 V	20 V	25 V
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 55A (Tc)	27A (Ta), 150A (Tc)	27A (Ta), 150A (Tc)	15A (Ta), 59A (Tc)
Vgs(th) (Max) @ Id	2.25V @ 250µA	2.45V @ 250µA	2.45V @ 250µA	2.35V @ 25µA
Package / Case	DirectFET™ Isometric SQ	DirectFET™ Isometric MX	DirectFET™ Isometric MX	DirectFET™ Isometric SQ
Rds On (Max) @ Id, Vgs	9.1mOhm @ 12A, 10V	2.7mOhm @ 27A, 10V	2.7mOhm @ 27A, 10V	6.3mOhm @ 15A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	2.2W (Ta), 42W (Tc)	2.8W (Ta), 89W (Tc)	2.8W (Ta), 89W (Tc)	2.2W (Ta), 34W (Tc)
Supplier Device Package	DIRECTFET™ SQ	DIRECTFET™ MX	DIRECTFET™ MX	DIRECTFET™ SQ
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Input Capacitance (Ciss) (Max) @ Vds	1460 pF @ 15 V	4130 pF @ 10 V	4130 pF @ 10 V	1450 pF @ 13 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Gate Charge (Qg) (Max) @ Vgs	17.5 nC @ 4.5 V	42 nC @ 4.5 V	42 nC @ 4.5 V	17 nC @ 4.5 V


IRF6621TR1PBF Datasheet PDF

Download IRF6621TR1PBF pdf datasheets and Infineon Technologies documentation for IRF6621TR1PBF - Infineon Technologies.


Datasheets


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Other Related Documents


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PCN Obsolescence/ EOL


[Multiple Devices 20/Dec/2013.pdf](#)

PCN Assembly/Origin



DirectFET Backend Wafer Processing
23/Oct/2013.pdf

PCN Other



MSL Update 20/Feb/2014.pdf

Customers Also Interested in

Recommended Products



IRF6620TR1PBF
Infineon Technologies
MOSFET N-CH 20V 27A DIRECTFET



NO PICTURE

IRF6620
IR



NO PICTURE

IRF6623PBF
IR



IRF6620TRPBF
Infineon Technologies
MOSFET N-CH 20V 27A DIRECTFET



NO PICTURE

IRF6620TR
IR



NO PICTURE

IRF6621TR
IR



IRF6622TR1PBF
Infineon Technologies
MOSFET N-CH 25V 15A DIRECTFET



NO PICTURE

IRF6622
IR



IRF6619TRPBF
Infineon Technologies
MOSFET N-CH 20V 30A DIRECTFET



IRF6621TR1
Infineon Technologies
MOSFET N-CH 30V 12A DIRECTFET



IRF6623
Infineon Technologies
MOSFET N-CH 20V 16A DIRECTFET



NO PICTURE

IRF6622TR1
IR



IRF6619TR1PBF
Infineon Technologies
MOSFET N-CH 20V 30A DIRECTFET



NO PICTURE

IRF6623TR
IR



NO PICTURE

IRF6621
IR



IRF6620TR1
Infineon Technologies
MOSFET N-CH 20V 27A DIRECTFET



IRF6621TRPBF
International Rectifier
30V SINGLE N-CHANNEL HEXFET



IRF6622TRPBF
Infineon Technologies
MOSFET N-CH 25V 15A DIRECTFET

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

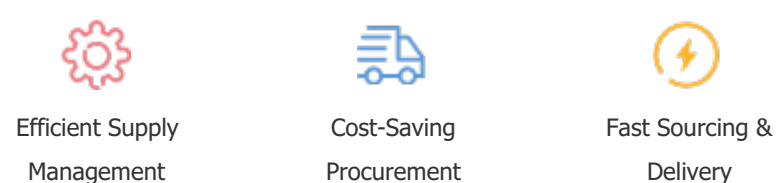
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

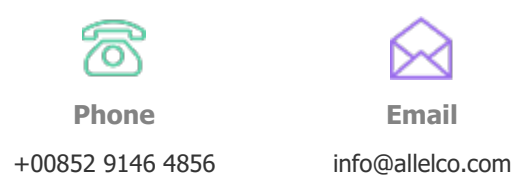
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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