



IRF7665S2TRPBF

Manufacturer Part Number	IRF7665S2TRPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRF7665S2TRPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET NCH 100V 4.1/14.4A DIRECT
Package	DirectFET™ Isometric SB
Data sheet	IRF7665S2TRPBF.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

IRF7665S2TRPBF - International Rectifier. New Original in Stock. Download Linear Technology IRF7665S2TRPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRF7665S2TRPBF, please send us email: info@allelco.com

Specifications

IRF7665S2TRPBF Tech Specifications

IRF7665S2TRPBF - International Rectifier technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Package	Bulk
Vgs(th) (Max) @ Id	5V @ 25µA	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs (Max)	±20V	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	515 pF @ 25 V
Supplier Device Package	DirectFET™ Isometric SB	Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V
Series	-	FET Type	N-Channel
Rds On (Max) @ Id, Vgs	62mOhm @ 8.9A, 10V	FET Feature	-
Power Dissipation (Max)	2.4W (Ta), 30W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	DirectFET™ Isometric SB	Current - Continuous Drain (Id) @ 25°C	4.1A (Ta), 14.4A (Tc)

Parts with Similar Specifications

The three parts on the right have similar specifications to International Rectifier IRF7665S2TRPBF

Product Attribute				
Part Number	IRF7665S2TRPBF	IRF7705	IRF7607	IRF7663
Manufacturer	International Rectifier	Infineon Technologies	Infineon Technologies	Infineon Technologies
Supplier Device Package	DirectFET™ Isometric SB	8-TSSOP	Micro8™	Micro8™
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V	88 nC @ 10 V	22 nC @ 5 V	45 nC @ 5 V
Package / Case	DirectFET™ Isometric SB	8-TSSOP (0.173", 4.40mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Rds On (Max) @ Id, Vgs	62mOhm @ 8.9A, 10V	18mOhm @ 8A, 10V	30mOhm @ 6.5A, 4.5V	20mOhm @ 7A, 4.5V
Input Capacitance (Ciss) (Max) @ Vds	515 pF @ 25 V	2774 pF @ 25 V	1310 pF @ 15 V	2520 pF @ 10 V
Current - Continuous Drain (Id) @ 25°C	4.1A (Ta), 14.4A (Tc)	8A (Tc)	6.5A (Ta)	8.2A (Ta)
Series	-	HEXFET®	HEXFET®	HEXFET®
Package	Bulk	Tube	Tube	Tube
Vgs(th) (Max) @ Id	5V @ 25µA	2.5V @ 250µA	1.2V @ 250µA	1.2V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	P-Channel	N-Channel	P-Channel
Vgs (Max)	±20V	±20V	±12V	±12V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-
Power Dissipation (Max)	2.4W (Ta), 30W (Tc)	1.5W (Tc)	1.8W (Ta)	1.8W (Ta)
Drain to Source Voltage (Vdss)	100 V	30 V	20 V	20 V
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

Customers Also Interested in

Recommended Products



IRF7705

Infineon Technologies
MOSFET P-CH 30V 8A 8TSSOP



IRF7607

Infineon Technologies
MOSFET N-CH 20V 6.5A MICRO8



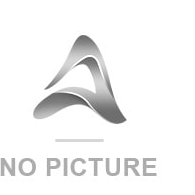
IRF7663

Infineon Technologies
MOSFET P-CH 20V 8.2A MICRO8



IRF7704

Infineon Technologies
MOSFET P-CH 40V 4.6A 8TSSOP



IRF7607PBF

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IRF7704TRPBF

Infineon Technologies
MOSFET P-CH 40V 4.6A 8TSSOP



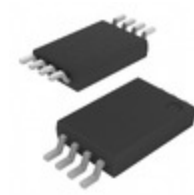
IRF7607TRPBF

International Rectifier
IRF7607 - 12V-300V N-CHANNEL POW



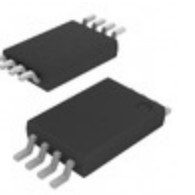
IRF7663TR

Infineon Technologies
MOSFET P-CH 20V 8.2A MICRO8



IRF7702TR

Infineon Technologies
MOSFET P-CH 12V 8A 8TSSOP



IRF7701TR

Infineon Technologies
MOSFET P-CH 12V 10A 8TSSOP



IRF7700TRPBF

Infineon Technologies
MOSFET P-CH 20V 8.6A 8TSSOP



IRF7663TRPBF

Infineon Technologies
MOSFET P-CH 20V 8.2A MICRO8

**IRF7700**Infineon Technologies
MOSFET P-CH 20V 8.6A 8TSSOP**IRF7606TRPBF MOS**

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**IRF7607TR**

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**IRF7701TRPBF**Infineon Technologies
MOSFET P-CH 12V 10A 8TSSOP**IRF7702**Infineon Technologies
MOSFET P-CH 12V 8A 8TSSOP**IRF7702TRPBF**Infineon Technologies
MOSFET P-CH 12V 8A 8TSSOP

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

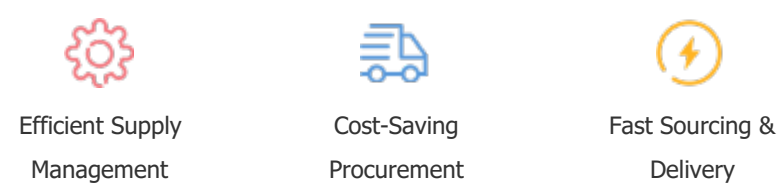
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

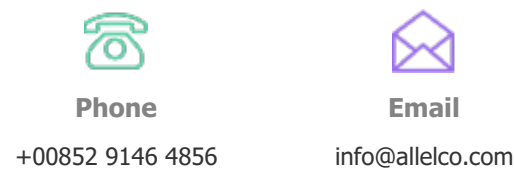
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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