



Image may be representation.
See specifications for product details.



IRFR7546TRPBF

Manufacturer Part Number	IRFR7546TRPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFR7546TRPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 56A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IRFR7546TRPBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFR7546TRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRFR7546TRPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFR7546TRPBF, please send us email: info@allelco.com

Specifications

IRFR7546TRPBF Tech Specifications

IRFR7546TRPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	3.7V @ 100µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3020 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	87 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	StrongIRFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	7.9mOhm @ 43A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	99W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	56A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRFR7546

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFR7546TRPBF

Product Attribute				
Part Number	IRFR7546TRPBF	IRFR7540PBF	IRFR812PBF	IRFR7746TRPBF
Manufacturer	Infineon Technologies	International Rectifier	Infineon Technologies	International Rectifier
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	StrongIRFET™	HEXFET®	HEXFET®	HEXFET®
Drain to Source Voltage (Vdss)	60 V	60 V	500 V	75 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	7.9mOhm @ 43A, 10V	4.8mOhm @ 66A, 10V	2.2Ohm @ 2.2A, 10V	11.2mOhm @ 35A, 10V
FET Feature	-	-	-	-
Base Product Number	IRFR7546	-	-	-
Supplier Device Package	DPAK	TO-252AA	D-Pak	176-LQFP (24x24)
Input Capacitance (Ciss) (Max) @ Vds	3020 pF @ 25 V	4360 pF @ 25 V	810 pF @ 25 V	3107 pF @ 25 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	176-LQFP
Gate Charge (Qg) (Max) @ Vgs	87 nC @ 10 V	130 nC @ 10 V	20 nC @ 10 V	89 nC @ 10 V
Vgs (Max)	±20V	±20V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	-	10V	6V, 10V
Package	Tape & Reel (TR)	Tube	Tube	Bulk
Power Dissipation (Max)	99W (Tc)	140W (Tc)	78W (Tc)	99W (Tc)
Current - Continuous Drain (Id) @ 25°C	56A (Tc)	90A (Tc)	3.6A (Tc)	56A (Tc)
Vgs(th) (Max) @ Id	3.7V @ 100µA	3.7V @ 100µA	5V @ 250µA	3.7V @ 100µA

IRFR7546TRPBF Datasheet PDF

Download IRFR7546TRPBF pdf datasheets and Infineon Technologies documentation for IRFR7546TRPBF - Infineon Technologies.

Other Related Documents

IR Part Numbering System.pdf

PCN Assembly/Origin

Warehouse Transfer 29/Jul/2015.pdf

PCN Design/Specification

PCN Packaging

Customers Also Interested in

Recommended Products

IRFR7540PBF International Rectifier MOSFET N-CH 60V 90A DPAK	IRFR812PBF Infineon Technologies MOSFET N-CH 500V 3.6A DPAK	IRFR7746 Cypress Semiconductor (Infineon Technologies)	IRFR7540 IR	IRFR7746TRPBF International Rectifier IRFR7746 - 12V-300V N-CHANNEL PO	IRFR7746TRPBF MOS IR
IRFR7440TRPBF MOS Cypress Semiconductor (Infineon Technologies)	IRFR7807ZTRPBF VBSEMI	IRFR7546 Cypress Semiconductor (Infineon Technologies)	IRFR7546TRPBF MOS IR	IRFR7N60TRPBF IR	IRFR7740 IR
IRFR7540TRPBF Infineon Technologies MOSFET N-CH 60V 90A DPAK	IRFR7446PBF Infineon Technologies MOSFET N-CH 40V 56A TO252	IRFR7446 IR	IRFR7740TRPBF International Rectifier IRFR7740 - 12V-300V N-CHANNEL PO	IRFR7440TRPBF Infineon Technologies MOSFET N-CH 40V 90A DPAK	IRFR7446TRPBF Infineon Technologies MOSFET N-CH 40V 56A DPAK

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
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Contact us if you have any questions.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



View More

Contact us

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