

Image may be representation.
See specifications for product details.



IRFS7730TRLPBF

Manufacturer Part Number	IRFS7730TRLPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFS7730TRLPBF
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 75V 195A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	IRFS7730TRLPBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRFS7730TRLPBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRFS7730TRLPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRFS7730TRLPBF, please send us email: info@allelco.com

Specifications

IRFS7730TRLPBF Tech Specifications
IRFS7730TRLPBF - 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 @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	13660 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	407 nC @ 10 V
Supplier Device Package	D ² PAK (TO-263AB)	FET Type	N-Channel
Series	HEXFET®, StrongIRFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.6mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	375W (Tc)	Drain to Source Voltage (Vdss)	75 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	195A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRFS7730

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFS7730TRLPBF

Product Attribute				
Part Number	IRFS7730TRLPBF	IRFS830B	IRFS7540TRLPBF	IRFS7730PBF
Manufacturer	Infineon Technologies	Fairchild Semiconductor	Infineon Technologies	International Rectifier
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	D ² PAK (TO-263AB)	TO-220F-3	PG-TO263-3	D ² PAK (TO-263AB)
Current - Continuous Drain (Id) @ 25°C	195A (Tc)	4.5A (Tj)	110A (Tc)	195A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	13660 pF @ 25 V	1050 pF @ 25 V	4555 pF @ 25 V	13660 pF @ 25 V
Vgs (Max)	±20V	±30V	±20V	±20V
Vgs(th) (Max) @ Id	3.7V @ 250µA	4V @ 250µA	3.7V @ 100µA	3.7V @ 250µA
Drain to Source Voltage (Vdss)	75 V	500 V	60 V	75 V
Rds On (Max) @ Id, Vgs	2.6mOhm @ 100A, 10V	1.5Ohm @ 2.25A, 10V	5.1mOhm @ 65A, 10V	2.6mOhm @ 100A, 10V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-220-3 Full Pack	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	10V	6V, 10V	6V, 10V
Base Product Number	IRFS7730	-	IRFS7540	-
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	407 nC @ 10 V	35 nC @ 10 V	130 nC @ 10 V	407 nC @ 10 V
Series	HEXFET®, StrongIRFET™	-	HEXFET®, StrongIRFET™	HEXFET®, StrongIRFET™
Power Dissipation (Max)	375W (Tc)	38W (Tj)	160W (Tc)	375W (Tc)
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Bulk
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

IRFS7730TRLPBF Datasheet PDF

Download IRFS7730TRLPBF pdf datasheets and Infineon Technologies documentation for IRFS7730TRLPBF - Infineon Technologies.

Other Related Documents

IR Part Numbering System.pdf

PCN Design/Specification



















Mult Dev Label Chgs 8/Sep/2021.pdf

Mult Dev Label Chgs Aug/2020.pdf

PCN Packaging

Customers Also Interested in

Recommended Products

					
IRFS830B Fairchild Semiconductor N-CHANNEL POWER MOSFET	IRFS7540TRLPBF Infineon Technologies MOSFET N-CH 60V 110A D2PAK	IRFS7730 IR	IRFS7540 IR	IRFS7730PBF International Rectifier MOSFET N-CH 75V 195A D2PAK	IRFS7734-7P Cypress Semiconductor (Infineon Technologies)
					
IRFS7730TRL7PP Infineon Technologies MOSFET N-CH 75V 240A D2PAK	IRFS7787TRLPBF Infineon Technologies MOSFET N-CH 75V 76A D2PAK	IRFS7730-7PPBF International Rectifier MOSFET N-CH 75V 240A D2PAK	IRFS7734TRLPBF Infineon Technologies MOSFET N-CH 75V 183A D2PAK	IRFS820B Fairchild Semiconductor N-CHANNEL POWER MOSFET	IRFS7787PBF International Rectifier MOSFET N-CH 75V 76A TO263-3-2
					
IRFS7537PBF International Rectifier HEXFET POWER MOSFET	IRFS7734TRL7PP International Rectifier IRFS7734 - 12V-300V N-CHANNEL PO	IRFS7534TRLPBF Infineon Technologies MOSFET N CH 60V 195A D2PAK	IRFS7537TRLPBF Infineon Technologies MOSFET N-CH 60V 173A D2PAK	IRFS7730PBF MOS IR	IRFS820 SEC

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 Alleco 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

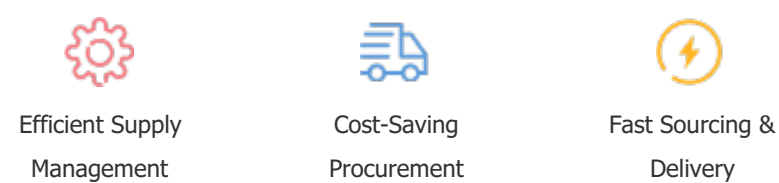
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

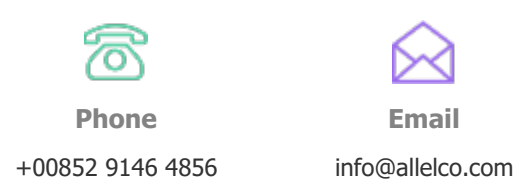
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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