



IRFS31N20DTRLP

Manufacturer Part Number	IRFS31N20DTRLP
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRFS31N20DTRLP
ECAD Model	Request Free CAD Models
Parts Description	HEXFET N-CHANNEL POWER MOSFET
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	IRFS31N20DTRLP.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

IRFS31N20DTRLP - International Rectifier. New Original in Stock. Download Linear Technology IRFS31N20DTRLP datasheet/specifications on AllelcoElec.com.
Request a quote for IRFS31N20DTRLP, please send us email: info@allelco.com

Specifications

IRFS31N20DTRLP Tech Specifications

IRFS31N20DTRLP - International Rectifier 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	5.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2370 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	107 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	82mOhm @ 18A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.1W (Ta), 200W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	31A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to International Rectifier IRFS31N20DTRLP

Product Attribute	NO PICTURE	IRFS3107TRLPBF	IRFS31N20DPBF	IRFS3206PBF
Part Number	IRFS31N20DTRLP	IRFS3107TRLPBF	IRFS31N20DPBF	IRFS3206PBF
Manufacturer	International Rectifier	Infineon Technologies	International Rectifier	Infineon Technologies
Power Dissipation (Max)	3.1W (Ta), 200W (Tc)	370W (Tc)	3.1W (Ta), 200W (Tc)	300W (Tc)
Supplier Device Package	D2PAK	D2PAK	D2PAK	D2PAK
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±30V	±20V	±30V	±20V
Package	Bulk	Tape & Reel (TR)	Bulk	Tube
Gate Charge (Qg) (Max) @ Vgs	107 nC @ 10 V	240 nC @ 10 V	107 nC @ 10 V	170 nC @ 10 V
Drain to Source Voltage (Vdss)	200 V	75 V	200 V	60 V
Input Capacitance (Ciss) (Max) @ Vds	2370 pF @ 25 V	9370 pF @ 50 V	2370 pF @ 25 V	6540 pF @ 50 V
Vgs(th) (Max) @ Id	5.5V @ 250µA	4V @ 250µA	5.5V @ 250µA	4V @ 150µA
Rds On (Max) @ Id, Vgs	82mOhm @ 18A, 10V	3mOhm @ 140A, 10V	82mOhm @ 18A, 10V	3mOhm @ 75A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	31A (Tc)	195A (Tc)	31A (Tc)	120A (Tc)

Customers Also Interested in

Recommended Products



IRFS3107TRLPBF
Infineon Technologies
MOSFET N-CH 75V 195A D2PAK



IRFS31N20DPBF
International Rectifier
HEXFET N-CHANNEL POWER MOSFET



IRFS31N20DPBF MOS
IR



IRFS31N20D MOS
IR



IRFS3206PBF
Infineon Technologies
MOSFET N-CH 60V 120A D2PAK



IRFS3107TRL7PP
Infineon Technologies
MOSFET N-CH 75V 240A D2PAK



NO PICTURE



NO PICTURE



NO PICTURE



NO PICTURE

IRFS3206

IR



NO PICTURE

IRFS3206 MOS

IR

IRFS31N20DTRRPBF

IR



NO PICTURE

IRFS3206TRLPBF

IR

IRFS31N20DTRLInfineon Technologies
MOSFET N-CH 200V 31A D2PAK**IRFS3206TRRPBF**Infineon Technologies
MOSFET N-CH 60V 120A D2PAK**IRFS3107PBF**International Rectifier
MOSFET N-CH 75V 195A D2PAK

NO PICTURE

IRFS3107-7PTRRPBF

IR

IRFS31N20S

IR



NO PICTURE

IRFS31N20D

IR/VISHAY

IRFS3206TRPBF

VBSEMI

**IRFS31N20DTRRP**Infineon Technologies
MOSFET N-CH 200V 31A D2PAK

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.



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Email

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Certifications & Memberships



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