



Image may be representation.
See specifications for product details.



IRFS3004TRL7PP

Manufacturer Part Number **IRFS3004TRL7PP**

Manufacturer **Infineon Technologies**

Allelco Part Number **32D-IRFS3004TRL7PP**

ECAD Model Request Free CAD Models

Parts Description **MOSFET N-CH 40V 240A D2PAK**

Package **TO-263-7, D²Pak (6 Leads + Tab), TO-263CB**

Data sheet [IRFS3004TRL7PP.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

IRFS3004TRL7PP - Infineon Technologies.New Original in Stock. Download Linear Technology IRFS3004TRL7PP datasheet/specifications on AllelcoElec.com.
Request a quote for IRFS3004TRL7PP, please send us email: info@allelco.com

Specifications

IRFS3004TRL7PP Tech Specifications

IRFS3004TRL7PP - 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	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	9130 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	240 nC @ 10 V
Supplier Device Package	D2PAK (7-Lead)	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	1.25mOhm @ 195A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	380W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab), TO-263CB	Current - Continuous Drain (Id) @ 25°C	240A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRFS3004

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRFS3004TRL7PP

Product Attribute				
Part Number	IRFS3004TRL7PP	IRFS3006TRL7PP	IRFS3004PBF	IRFS3006PBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	International Rectifier
Current - Continuous Drain (Id) @ 25°C	240A (Tc)	240A (Tc)	195A (Ta)	195A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	9130 pF @ 25 V	8850 pF @ 50 V	9200 pF @ 25 V	8970 pF @ 50 V
Rds On (Max) @ Id, Vgs	1.25mOhm @ 195A, 10V	2.1mOhm @ 168A, 10V	1.75mOhm @ 195A, 10V	2.5mOhm @ 170A, 10V
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Supplier Device Package	D2PAK (7-Lead)	D2PAK (7-Lead)	D2PAK	D2PAK
Base Product Number	IRFS3004	IRFS3006	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	240 nC @ 10 V	300 nC @ 10 V	240 nC @ 10 V	300 nC @ 10 V
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab), TO-263CB	TO-263-7, D ² Pak (6 Leads + Tab), TO-263CB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Vgs (Max)	±20V	±20V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Bulk
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	40 V	60 V	40 V	60 V
Power Dissipation (Max)	380W (Tc)	375W (Tc)	380W (Tc)	375W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)

IRFS3004TRL7PP Datasheet PDF

Download IRFS3004TRL7PP pdf datasheets and Infineon Technologies documentation for IRFS3004TRL7PP - Infineon Technologies.

Other Related Documents



IR Part Numbering System.pdf

PCN Packaging



Mult Device Standard Label Chg 29/Sep/2017.pdf



Mult Dev Pkg Mat Chgs 31/Jan/2022.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

IRFS3006TRL7PP Infineon Technologies MOSFET N-CH 60V 240A D2PAK	IRFS3004-7P Cypress Semiconductor (Infineon Technologies)	IRFS3004PBF Infineon Technologies MOSFET N-CH 40V 195A D2PAK	IRFS3006PBF International Rectifier HEXFET N-CHANNEL POWER MOSFET	IRFS3006TRLPBF Infineon Technologies MOSFET N-CH 60V 195A D2PAK	IRFS3004TRLPBF Infineon Technologies MOSFET N-CH 40V 195A D2PAK
IRFS3006-7P Cypress Semiconductor (Infineon Technologies)	IRFS3006PBF MOS IR	IRFS23N20DTRPBF. IR	IRFS23N20DTRLPBF IR	IRFS3006TRPBF IR	IRFS3006 IR
IRFS250 SRC	IRFS3004-7PPBF Infineon Technologies MOSFET N-CH 40V 240A D2PAK	IRFS23N20DTRRPBF IR	IRFS3004 IR	IRFS250B Fairchild Semiconductor N-CHANNEL POWER MOSFET	IRFS3107 IR

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

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com