



Image may be representation.
See specifications for product details.



IRF4905STRLPBF

Manufacturer Part Number	IRF4905STRLPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRF4905STRLPBF
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET P-CH 55V 42A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	IRF4905STRLPBF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRF4905STRLPBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRF4905STRLPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRF4905STRLPBF, please send us email: info@allelco.com

Specifications

IRF4905STRLPBF Tech Specifications
IRF4905STRLPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3500 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	180 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	P-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	20mOhm @ 42A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	170W (Tc)	Drain to Source Voltage (Vdss)	55 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRF4905

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRF4905STRLPBF

Product Attribute				
Part Number	IRF4905STRLPBF	IRF4905STRRPBF	IRF510	IRF4905SPBF
Manufacturer	Infineon Technologies	Infineon Technologies	Vishay Siliconix	Infineon Technologies
FET Type	P-Channel	P-Channel	N-Channel	P-Channel
Gate Charge (Qg) (Max) @ Vgs	180 nC @ 10 V	180 nC @ 10 V	8.3 nC @ 10 V	180 nC @ 10 V
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-220-3	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Supplier Device Package	D2PAK	D2PAK	TO-220AB	D2PAK
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs (Max)	±20V	±20V	±20V	±20V
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	3500 pF @ 25 V	3500 pF @ 25 V	180 pF @ 25 V	3500 pF @ 25 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Drain to Source Voltage (Vdss)	55 V	55 V	100 V	55 V
Rds On (Max) @ Id, Vgs	20mOhm @ 42A, 10V	20mOhm @ 42A, 10V	540mOhm @ 3.4A, 10V	20mOhm @ 42A, 10V
Series	HEXFET®	HEXFET®	-	HEXFET®
Base Product Number	IRF4905	IRF4905	IRF510	-
Power Dissipation (Max)	170W (Tc)	170W (Tc)	43W (Tc)	170W (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tube
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	42A (Tc)	42A (Tc)	5.6A (Tc)	42A (Tc)

IRF4905STRLPBF Datasheet PDF

Download IRF4905STRLPBF pdf datasheets and Infineon Technologies documentation for IRF4905STRLPBF - Infineon Technologies.

Other Related Documents

IR Part Numbering System.pdf

PCN Packaging

Package Drawing Update 19/Aug/2015.pdf

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

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

IRF4905SHR IR	IRF4905PBF MOS IR	IRF4905STRLPBF F4905S IR	IRF4905STRRPBF Infineon Technologies MOSFET P-CH 55V 42A D2PAK	IRF4905STRL IR	IRF4905S IR
IRF510A SEC	IRF50N06 SSS	IRF4905S/F4905S IR	IRF4905STRPBF IR	IRF4905PB IR	IRF4905S MOS IR
IRF4905STR IR	IRF510 Vishay Siliconix MOSFET N-CH 100V 5.6A TO220AB	IRF4905STRLPBF MOS Cypress Semiconductor (Infineon Technologies)	IRF4905SPBF Infineon Technologies MOSFET P-CH 55V 42A D2PAK	IRF510 onsemi MOSFET N-CH 100V 5.6A TO220AB	IRF4905PBF Infineon Technologies MOSFET P-CH 55V 74A TO220AB

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.

- Phone
+00852 9146 4856
- Email
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Certifications & Memberships



View More

Contact us

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