



IRLHS2242TRPBF

Manufacturer Part Number	IRLHS2242TRPBF
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRLHS2242TRPBF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 20V 7.2A/15A 6PQFN
Package	6-PowerVDFN
Data sheet	IRLHS2242TRPBF.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

IRLHS2242TRPBF - Infineon Technologies.New Original in Stock. Download Linear Technology IRLHS2242TRPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRLHS2242TRPBF, please send us email: info@allelco.com

Specifications

IRLHS2242TRPBF Tech Specifications
IRLHS2242TRPBF - 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	1.1V @ 10µA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	877 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V
Supplier Device Package	6-PQFN (2x2) (DFN2020)	FET Type	P-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	31mOhm @ 8.5A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Power Dissipation (Max)	2.1W (Ta), 9.6W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	6-PowerVDFN	Current - Continuous Drain (Id) @ 25°C	7.2A (Ta), 15A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRLHS2242

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRLHS2242TRPBF

Product Attribute				
Part Number	IRLHS2242TRPBF	IRLH7134TRPBF	IRLHS6242TR2PBF	IRLHM630TRPBF
Manufacturer	Infineon Technologies	International Rectifier	Infineon Technologies	Infineon Technologies
Mounting Type	Surface Mount	Surface Mount, Wettable Flank	Surface Mount	Surface Mount
Series	HEXFET®	HEXFET®	-	HEXFET®
Current - Continuous Drain (Id) @ 25°C	7.2A (Ta), 15A (Tc)	26A (Ta), 50A (Tc)	10A (Ta), 12A (Tc)	21A (Ta), 40A (Tc)
Vgs(th) (Max) @ Id	1.1V @ 10µA	2.5V @ 100µA	1.1V @ 10µA	1.1V @ 50µA
Drain to Source Voltage (Vdss)	20 V	40 V	20 V	30 V
Power Dissipation (Max)	2.1W (Ta), 9.6W (Tc)	3.6W (Ta), 104W (Tc)	-	2.7W (Ta), 37W (Tc)
FET Type	P-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±12V	±16V	-	±12V
Input Capacitance (Ciss) (Max) @ Vds	877 pF @ 10 V	3720 pF @ 25 V	1110 pF @ 10 V	3170 pF @ 25 V
Package	Tape & Reel (TR)	Bulk	Cut Tape (CT)	Tape & Reel (TR)
FET Feature	-	-	-	-
Supplier Device Package	6-PQFN (2x2) (DFN2020)	PG-TDSON-8-10	6-PQFN (2x2)	PQFN (3x3)
Rds On (Max) @ Id, Vgs	31mOhm @ 8.5A, 4.5V	3.3mOhm @ 50A, 10V	11.7mOhm @ 8.5A, 4.5V	3.5mOhm @ 20A, 4.5V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	-	-	2.5V, 10V
Base Product Number	IRLHS2242	-	-	IRLHM630
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)
Package / Case	6-PowerVDFN	8-PowerVDFN	6-PowerVDFN	8-VQFN Exposed Pad
Gate Charge (Qg) (Max) @ Vgs	12 nC @ 10 V	58 nC @ 4.5 V	14 nC @ 4.5 V	62 nC @ 4.5 V

IRLHS2242TRPBF Datasheet PDF

Download IRLHS2242TRPBF pdf datasheets and Infineon Technologies documentation for IRLHS2242TRPBF - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Packaging

Packing Material Update 16/Sep/2016.pdf

Mult Dev Lot No Format Chg 6/Apr/2018.pdf



















PCN Design/Specification

PCN Assembly/Origin

Mosfet Backend Wafer Processing
23/Oct/2013.pdf

Customers Also Interested in

Recommended Products

					
IRLHS6276TR2PBF Infineon Technologies MOSFET 2N-CH 20V 4.5A PQFN	IRLH7134TRPBF International Rectifier MOSFET N-CH 40V 26A/50A TDSO0	IRLHS6242TRPBF. IR	IRLHS6276PbF IR	IRLHM620TRPBF MOS IR	IRLHS6242TR2PBF Infineon Technologies MOSFET N-CH 20V 10A PQFN
					
IRLHM630TRPBF Infineon Technologies MOSFET N-CH 30V 21A/40A PQFN	IRLHM630TR2PBF. IR	IRLHS6242TRPBF MOS IR	IRLHM620TRPBF M620 Cypress Semiconductor (Infineon Technologies)	IRLHS6242TRPBF Infineon Technologies MOSFET N-CH 20V 10A/12A 6PQFN	IRLHS2242TRPBF MOS IR
					
IRLHS6276TRPBF Infineon Technologies MOSFET 2N-CH 20V 4.5A PQFN	IRLH7134TR2PBF Infineon Technologies MOSFET N-CH 40V 26A 8PQFN	IRLHM630TRPBF. IR	IRLHS2242TR2PBF Infineon Technologies MOSFET P-CH 20V 5.8A 2X2 PQFN	IRLHM620TRPBF Infineon Technologies MOSFET N-CH 20V 26A/40A PQFN	IRLHS6342TRPBF Infineon Technologies MOSFET N-CH 30V 8.7A/19A 6PQFN

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
info@allelco.com

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