



IRLR110TRPBF

Manufacturer Part Number	IRLR110TRPBF
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-IRLR110TRPBF
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 100V 4.3A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IRLR110, IRLU110, SiHLR110, SiHLU110.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRLR110TRPBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRLR110TRPBF datasheet/specifications on AllelcoElec.com.

Request a quote for IRLR110TRPBF, please send us email: info@allelco.com

Specifications

IRLR110TRPBF Tech Specifications

IRLR110TRPBF - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±10V	Input Capacitance (Ciss) (Max) @ Vds	250 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	6.1 nC @ 5 V
Supplier Device Package	D-Pak	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	540mOhm @ 2.6A, 5V	Drive Voltage (Max Rds On, Min Rds On)	4V, 5V
Power Dissipation (Max)	2.5W (Ta), 25W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	4.3A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IRLR110

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRLR110TRPBF

Product Attribute				
Part Number	IRLR110TRPBF	IRLR120ATF	IRLR110	IRLR024ZTRPBF
Manufacturer	Vishay Siliconix	Fairchild Semiconductor	Vishay Siliconix	Infineon Technologies
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Input Capacitance (Ciss) (Max) @ Vds	250 pF @ 25 V	440 pF @ 25 V	250 pF @ 25 V	380 pF @ 25 V
Vgs (Max)	±10V	±20V	±10V	±16V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	IRLR110	-	IRLR110	-
Supplier Device Package	D-Pak	TO-252, (D-Pak)	D-Pak	D-Pak
Power Dissipation (Max)	2.5W (Ta), 25W (Tc)	2.5W (Ta), 35W (Tc)	2.5W (Ta), 25W (Tc)	35W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	540mOhm @ 2.6A, 5V	220mOhm @ 4.2A, 5V	540mOhm @ 2.6A, 5V	58mOhm @ 9.6A, 10V
Drain to Source Voltage (Vdss)	100 V	100 V	100 V	55 V
Series	-	-	-	HEXFET®
Drive Voltage (Max Rds On, Min Rds On)	4V, 5V	5V	4V, 5V	4.5V, 10V
Package	Tape & Reel (TR)	Bulk	Tube	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	6.1 nC @ 5 V	15 nC @ 5 V	6.1 nC @ 5 V	9.9 nC @ 5 V
Current - Continuous Drain (Id) @ 25°C	4.3A (Tc)	8.4A (Tc)	4.3A (Tc)	16A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	2V @ 250µA	2V @ 250µA	2V @ 250µA	3V @ 250µA

IRLR110TRPBF Datasheet PDF

Download IRLR110TRPBF pdf datasheets and Vishay Siliconix documentation for IRLR110TRPBF - Vishay Siliconix.

Datasheets

[IRLR110, IRLU110, SiHLR110, SiHLU110.pdf](#)



















PCN Design/Specification

[Reel Design Change 29/Dec/2022.pdf](#)

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
IRLR120ATF Fairchild Semiconductor MOSFET N-CH 100V 8.4A DPAK	IRLR110 Vishay Siliconix MOSFET N-CH 100V 4.3A DPAK	IRLR024ZTRPBF Infineon Technologies MOSFET N-CH 55V 16A DPAK	IRLR024Z MOS IR	IRLR024ZTRL IR	IRLR024ZPBF Infineon Technologies MOSFET N-CH 55V 16A DPAK
					
IRLR024Z IR	IRLR110ATF onsemi MOSFET N-CH 100V 4.7A DPAK	IRLR110TRPBF MOS IR	IRLR120ATRPBF Fairchild (onsemi)	IRLR110PBF Vishay Siliconix MOSFET N-CH 100V 4.3A DPAK	IRLR120ATF onsemi MOSFET N-CH 100V 8.4A DPAK
					
IRLR024ZTRLPBF Infineon Technologies MOSFET N-CH 55V 16A DPAK	IRLR120 Vishay Siliconix MOSFET N-CH 100V 7.7A DPAK	IRLR1205TRPBF IR	IRLR120N IR	IRLR120 MOS IR	IRLR110A 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

Contact us if you have any questions.

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Certifications & Memberships



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