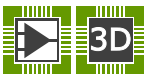





IRF840BPBF

Manufacturer Part Number	IRF840BPBF
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-IRF840BPBF
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 500V 8.7A TO220AB
Package	TO-220-3
Data sheet	TO-220AB Package Drawing.pdf IRF840B.pdf
RoHS Status	 ROHS3 Compliant



Get a Quote

IRF840BPBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRF840BPBF datasheet/specifications on AllelcoElec.com.
Request a quote for IRF840BPBF, please send us email: info@allelco.com

Specifications





IRF840BPBF Tech Specifications

IRF840BPBF - 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	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	527 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V
Supplier Device Package	TO-220AB	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	850mOhm @ 4A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	156W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	8.7A (Tc)
Package	Tube	Base Product Number	IRF840

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRF840BPBF

Product Attribute	 NO PICTURE			
Part Number	IRF840BPBF	IRF840LCL	IRF840L	IRF840AL
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V	39 nC @ 10 V	63 nC @ 10 V	38 nC @ 10 V
Package	Tube	Tube	Tube	Tube
Series	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	8.7A (Tc)	8A (Tc)	8A (Tc)	8A (Tc)
FET Feature	-	-	-	-
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	±30V	±20V	±30V
Power Dissipation (Max)	156W (Tc)	3.1W (Ta), 125W (Tc)	125W (Tc)	3.1W (Ta), 125W (Tc)
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Base Product Number	IRF840	IRF840	IRF840	IRF840
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	850mOhm @ 4A, 10V	850mOhm @ 4.8A, 10V	850mOhm @ 4.8A, 10V	850mOhm @ 4.8A, 10V
Input Capacitance (Ciss) (Max) @ Vds	527 pF @ 100 V	1100 pF @ 25 V	1300 pF @ 25 V	1018 pF @ 25 V
Package / Case	TO-220-3	TO-262-3 Long Leads, I ² Pak, TO-262AA	TO-262-3 Long Leads, I ² Pak, TO-262AA	TO-262-3 Long Leads, I ² Pak, TO-262AA
Supplier Device Package	TO-220AB	I ² PAK	I ² PAK	I ² PAK
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drain to Source Voltage (Vdss)	500 V	500 V	500 V	500 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

IRF840BPBF Datasheet PDF

Download IRF840BPBF pdf datasheets and Vishay Siliconix documentation for IRF840BPBF - Vishay Siliconix.

Datasheets



TO-220AB Package Drawing.pdf



IRF840B.pdf



















PCN Design/Specification



Mult Dev Material Chg 30/Aug/2019.pdf

Customers Also Interested in

Recommended Products

 IRF840LCL Vishay Siliconix MOSFET N-CH 500V 8A I2PAK	 IRF840L Vishay Siliconix MOSFET N-CH 500V 8A I2PAK	 IRF840FI STMicroelectronics	 IRF840AL Vishay Siliconix MOSFET N-CH 500V 8A I2PAK	 IRF840ALPBF Vishay Siliconix MOSFET N-CH 500V 8A I2PAK	 IRF840AS Vishay Siliconix MOSFET N-CH 500V 8A D2PAK
 IRF840LCS Vishay Siliconix MOSFET N-CH 500V 8A D2PAK	 IRF840LCSPBF Vishay Siliconix MOSFET N-CH 500V 8A D2PAK	 IRF840LCPBF Vishay Siliconix MOSFET N-CH 500V 8A TO220AB	 IRF840ASTRLPBF MOS Electro-Films (EFI) / Vishay	 IRF840L MOS IR	 IRF840LCLPBF Vishay Siliconix MOSFET N-CH 500V 8A D2PAK
 IRF840A Vishay Siliconix MOSFET N-CH 500V 8A TO220AB	 IRF840ASTRRPBF Vishay Siliconix MOSFET N-CH 500V 8A D2PAK	 IRF840B onsemi MOSFET N-CH 500V 8A TO220-3	 IRF840I-HF MOS APEC	 IRF840APBF Vishay Siliconix MOSFET N-CH 500V 8A TO220AB	 IRF840ASPBF Vishay Siliconix MOSFET N-CH 500V 8A 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

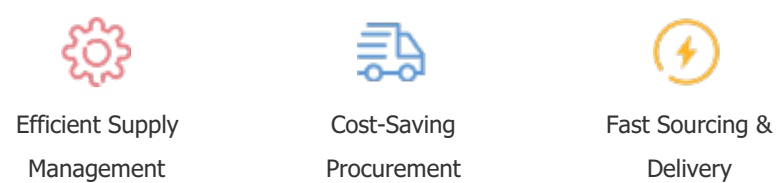
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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