



IRFPS40N50LPBF

| | |
|--------------------------|-------------------------------|
| Manufacturer Part Number | IRFPS40N50LPBF |
| Manufacturer | Vishay / Siliconix |
| Allelco Part Number | 32D-IRFPS40N50LPBF |
| ECAD Model | Request Free CAD Models |
| Parts Description | MOSFET N-CH 500V 46A SUPER247 |
| Package | TO-274AA |
| Data sheet | Power MOSFET.pdf |
| RoHs Status | ROHS3 Compliant |



Get a Quote

IRFPS40N50LPBF - Vishay Siliconix. New Original in Stock. Download Linear Technology IRFPS40N50LPBF datasheet/specifications on AllelcoElec.com.

Request a quote for IRFPS40N50LPBF, please send us email: info@allelco.com

Specifications

IRFPS40N50LPBF Tech Specifications

IRFPS40N50LPBF - 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 | 8110 pF @ 25 V |
| Technology | MOSFET (Metal Oxide) | Gate Charge (Qg) (Max) @ Vgs | 380 nC @ 10 V |
| Supplier Device Package | SUPER-247™ (TO-274AA) | FET Type | N-Channel |
| Series | - | FET Feature | - |
| Rds On (Max) @ Id, Vgs | 100mOhm @ 28A, 10V | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Power Dissipation (Max) | 540W (Tc) | Drain to Source Voltage (Vdss) | 500 V |
| Package / Case | TO-274AA | Current - Continuous Drain (Id) @ 25°C | 46A (Tc) |
| Package | Tube | Base Product Number | IRFPS40 |

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix IRFPS40N50LPBF

| Product Attribute | NO PICTURE | | | |
|----------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Part Number | IRFPS40N50LPBF | IRFPS43N50K | IRFPS37N50A | IRFPS40N60K |
| Manufacturer | Vishay Siliconix | Vishay Siliconix | Vishay Siliconix | Vishay Siliconix |
| Rds On (Max) @ Id, Vgs | 100mOhm @ 28A, 10V | 90mOhm @ 28A, 10V | 130mOhm @ 22A, 10V | 130mOhm @ 24A, 10V |
| FET Type | N-Channel | N-Channel | N-Channel | N-Channel |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Vgs (Max) | ±30V | ±30V | ±30V | ±30V |
| Gate Charge (Qg) (Max) @ Vgs | 380 nC @ 10 V | 350 nC @ 10 V | 180 nC @ 10 V | 330 nC @ 10 V |
| Package | Tube | Tube | Tube | Tube |
| Technology | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) | MOSFET (Metal Oxide) |
| Operating Temperature | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) |
| FET Feature | - | - | - | - |
| Drive Voltage (Max Rds On, Min Rds On) | 10V | 10V | 10V | 10V |
| Vgs(th) (Max) @ Id | 5V @ 250µA | 5V @ 250µA | 4V @ 250µA | 5V @ 250µA |
| Input Capacitance (Ciss) (Max) @ Vds | 8110 pF @ 25 V | 8310 pF @ 25 V | 5579 pF @ 25 V | 7970 pF @ 25 V |
| Power Dissipation (Max) | 540W (Tc) | 540W (Tc) | 446W (Tc) | 570W (Tc) |
| Base Product Number | IRFPS40 | IRFPS43 | IRFPS37 | IRFPS40 |
| Drain to Source Voltage (Vdss) | 500 V | 500 V | 500 V | 600 V |
| Series | - | - | - | - |
| Current - Continuous Drain (Id) @ 25°C | 46A (Tc) | 47A (Tc) | 36A (Tc) | 40A (Tc) |
| Supplier Device Package | SUPER-247™ (TO-274AA) | SUPER-247™ (TO-274AA) | SUPER-247™ (TO-274AA) | SUPER-247™ (TO-274AA) |
| Package / Case | TO-274AA | TO-274AA | TO-274AA | TO-274AA |

IRFPS40N50LPBF Datasheet PDF

Download IRFPS40N50LPBF pdf datasheets and Vishay Siliconix documentation for IRFPS40N50LPBF - Vishay Siliconix.

Datasheets

Power MOSFET.pdf



















PCN Design/Specification

Mold Compounds 25/Feb/2016.pdf

PCN Other

Customers Also Interested in

Recommended Products

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  IRFPS43N50K Vishay Siliconix MOSFET N-CH 500V 47A SUPER247 |  IRFPS37N50A Vishay Siliconix MOSFET N-CH 500V 36A SUPER247 |  IRFPS40N60K Vishay Siliconix MOSFET N-CH 600V 40A SUPER247 |  IRFR010 Vishay Siliconix MOSFET N-CH 50V 8.2A DPAK |  IRFPS3815 IR |  IRFPS38N60L Vishay Siliconix MOSFET N-CH 600V 38A SUPER247 |
|  IRFR010PBF Vishay Siliconix MOSFET N-CH 50V 8.2A DPAK |  IRFPS40N50L Vishay Siliconix MOSFET N-CH 500V 46A SUPER247 |  IRFPS38N60LPBF Vishay Siliconix MOSFET N-CH 600V 38A SUPER247 |  IRFPS43N50KPBF Vishay Siliconix MOSFET N-CH 500V 47A SUPER247 |  IRFPS37N50APBF Vishay Siliconix MOSFET N-CH 500V 36A SUPER247 |  IRFPS40N60KPBF Vishay Siliconix MOSFET N-CH 600V 40A SUPER247 |
|  IRFPS3810 Infineon Technologies MOSFET N-CH 100V 170A SUPER247 |  IRFR010 MOS Electro-Films (EFI) / Vishay |  IRFPS3815PBF International Rectifier PFET, 105A I(D), 150V, 0.015OHM, |  IRFPS3810PBF International Rectifier MOSFET N-CH 100V 170A SUPER-247 |  IRFPS37N50APBF Infineon Technologies MOSFET N-CH 500V 36A SUPER247 |  IRFPS59N60C 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.

-  Phone
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-  Email
info@allelco.com

Certifications & Memberships



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