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See specifications for product details.



IPB048N15N5LFATMA1

Manufacturer Part Number	IPB048N15N5LFATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPB048N15N5LFATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 150V 120A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	IPB048N15N5LFATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPB048N15N5LFATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IPB048N15N5LFATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB048N15N5LFATMA1, please send us email: info@allelco.com

Specifications

IPB048N15N5LFATMA1 Tech Specifications
IPB048N15N5LFATMA1 - 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	4.9V @ 255µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	380 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V
Supplier Device Package	PG-TO263-3	FET Type	N-Channel
Series	OptiMOS™-5	FET Feature	-
Rds On (Max) @ Id, Vgs	4.8mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	313W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB048

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB048N15N5LFATMA1

Product Attribute				
Part Number	IPB048N15N5LFATMA1	IPB048N15N5ATMA1	IPB048N06LG	IPB044N15N5ATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	OptiMOS™-5	OptiMOS™	OptiMOS®	OptiMOS™
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	150 V	150 V	60 V	150 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	4.8mOhm @ 100A, 10V	4.8mOhm @ 60A, 10V	4.7mOhm @ 100A, 10V	4.4mOhm @ 87A, 10V
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-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-7, D ² Pak (6 Leads + Tab)
Base Product Number	IPB048	IPB048	-	IPB044
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	PG-TO263-3	PG-TO263-3-2	PG-TO-263-3-2	PG-TO263-7
Vgs(th) (Max) @ Id	4.9V @ 255µA	4.6V @ 264µA	2V @ 270µA	4.6V @ 264µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	10V	8V, 10V	4.5V, 10V	8V, 10V
Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V	100 nC @ 10 V	225 nC @ 10 V	100 nC @ 10 V
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	120A (Tc)	100A (Tc)	174A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	380 pF @ 75 V	7800 pF @ 75 V	7600 pF @ 30 V	8000 pF @ 75 V
Vgs (Max)	±20V	±20V	±20V	±20V
Power Dissipation (Max)	313W (Tc)	300W (Tc)	300W (Tc)	300W (Tc)

IPB048N15N5LFATMA1 Datasheet PDF

Download IPB048N15N5LFATMA1 pdf datasheets and Infineon Technologies documentation for IPB048N15N5LFATMA1 - Infineon Technologies.

PCN Packaging



















Mult Dev Pkg Box Chg 3/Jan/2018.pdf

PCN Assembly/Origin

Mult Dev Wafer Chgs 3/Nov/2022.pdf

Customers Also Interested in

Recommended Products

 IPB048N15N5ATMA1 Infineon Technologies MOSFET N-CH 150V 120A TO263-3	 IPB044N15N5 Cypress Semiconductor (Infineon Technologies)	 IPB048N06LG Infineon Technologies N-CHANNEL POWER MOSFET	 IPB04CN10NG MOS Cypress Semiconductor (Infineon Technologies)	 IPB044N15N5ATMA1 Infineon Technologies MOSFET N-CH 150V 174A TO263-7	 IPB04N03L MOS Cypress Semiconductor (Infineon Technologies)
 IPB049NE7N3G MOS Cypress Semiconductor (Infineon Technologies)	 IPB049N08N5ATMA1 Infineon Technologies MOSFET N-CH 80V 80A D2PAK	 IPB042N10N3GATMA1 Infineon Technologies MOSFET N-CH 100V 100A D2PAK	 IPB042N10N30G INFENION	 IPB049N06L3G Infineon Technologies N-CHANNEL POWER MOSFET	 IPB049NE7N3GATMA1 Infineon Technologies MOSFET N-CH 75V 80A D2PAK
 IPB049N08N5 MOS Cypress Semiconductor (Infineon Technologies)	 IPB048N15N5 Cypress Semiconductor (Infineon Technologies)	 IPB042N10N3G Cypress Semiconductor (Infineon Technologies)	 IPB042N10N3G MOS Cypress Semiconductor (Infineon Technologies)	 IPB049NE7N3G Cypress Semiconductor (Infineon Technologies)	 IPB048N15N5LF Cypress Semiconductor (Infineon Technologies)

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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Certifications & Memberships



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