



Image may be representation.
See specifications for product details.



IPB072N15N3GATMA1

Manufacturer Part Number	IPB072N15N3GATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPB072N15N3GATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 150V 100A TO263-3
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	IPB072N15N3GATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPB072N15N3GATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB072N15N3GATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB072N15N3GATMA1, please send us email: info@allelco.com

Specifications

IPB072N15N3GATMA1 Tech Specifications
IPB072N15N3GATMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 270µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	5470 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	93 nC @ 10 V
Supplier Device Package	PG-TO263-3-2	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	7.2mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	8V, 10V
Power Dissipation (Max)	300W (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	100A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB072

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB072N15N3GATMA1

Product Attribute				
Part Number	IPB072N15N3GATMA1	IPB073N15N5ATMA1	IPB080N03LG	IPB06N03LA
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	8V, 10V	8V, 10V	4.5V, 10V	4.5V, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	300W (Tc)	214W (Tc)	47W (Tc)	83W (Tc)
Base Product Number	IPB072	IPB073	-	IPB06N
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	OptiMOS™	OptiMOS™-5	OptiMOS™3	OptiMOS™
Input Capacitance (Ciss) (Max) @ Vds	5470 pF @ 75 V	4700 pF @ 75 V	1900 pF @ 15 V	2653 pF @ 15 V
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	100A (Tc)	114A (Tc)	50A	50A (Tc)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 270µA	4.6V @ 160µA	2.2V @ 250µA	2V @ 40µA
Drain to Source Voltage (Vdss)	150 V	150 V	30 V	25 V
Supplier Device Package	PG-TO263-3-2	PG-TO263-3-2	PG-TO263-3-2	PG-TO263-3-2
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-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Gate Charge (Qg) (Max) @ Vgs	93 nC @ 10 V	61 nC @ 10 V	18 nC @ 10 V	22 nC @ 5 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	7.2mOhm @ 100A, 10V	7.3mOhm @ 57A, 10V	8mOhm @ 30A, 10V	5.9mOhm @ 30A, 10V

IPB072N15N3GATMA1 Datasheet PDF

Download IPB072N15N3GATMA1 pdf datasheets and Infineon Technologies documentation for IPB072N15N3GATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Packaging

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

PCN Other

Multiple Changes 09/Jul/2014.pdf

PCN Assembly/Origin

Mult Dev Wafer Chgs 22/Dec/2021.pdf

Customers Also Interested in

Recommended Products



IPB072N15N3G
Cypress Semiconductor
(Infineon Technologies)



IPB072N15N
INF



IPB07N03L MOS
Cypress Semiconductor
(Infineon Technologies)



IPB080N03LG MOS
Cypress Semiconductor
(Infineon Technologies)



IPB07N03L E3045A
Cypress Semiconductor
(Infineon Technologies)



IPB06CN10NG
Cypress Semiconductor
(Infineon Technologies)



IPB06N03LA MOS
Cypress Semiconductor
(Infineon Technologies)



IPB073N15N5ATMA1
Infineon Technologies
MOSFET N-CH 150V 114A TO263-3



IPB07N03L
Cypress Semiconductor
(Infineon Technologies)



IPB080N03LG
Infineon Technologies
OPTLMOS N-CHANNEL POWER
MOSFET



IPB06N03L
Cypress Semiconductor
(Infineon Technologies)



IPB06N03LA
Infineon Technologies
MOSFET N-CH 25V 50A TO263-3



IPB075N04LG
Infineon Technologies
N-CHANNEL POWER MOSFET



IPB072N15N3G MOS
Cypress Semiconductor
(Infineon Technologies)



IPB072N15N3
Cypress Semiconductor
(Infineon Technologies)



IPB080N06NG
Cypress Semiconductor
(Infineon Technologies)



IPB06N03LAG
Cypress Semiconductor
(Infineon Technologies)



IPB073N15N5
INFINEON

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