

Image may be representation.  
See specifications for product details.



## IPB108N15N3GATMA1

Manufacturer Part Number	<b>IPB108N15N3GATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB108N15N3GATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 150V 83A D2PAK
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	IPB108N15N3GATMA1.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPB108N15N3GATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB108N15N3GATMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for IPB108N15N3GATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPB108N15N3GATMA1 Tech Specifications  
IPB108N15N3GATMA1 - 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 @ 160µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3230 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	55 nC @ 10 V
Supplier Device Package	PG-TO263-3	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	10.8mOhm @ 83A, 10V	Drive Voltage (Max Rds On, Min Rds On)	8V, 10V
Power Dissipation (Max)	214W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	83A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB108

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB108N15N3GATMA1

Product Attribute				
Part Number	IPB108N15N3GATMA1	IPB107N20N3GATMA1	IPB107N20NAATMA1	IPB10N03LB
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Supplier Device Package	PG-TO263-3	PG-TO263-3	PG-TO263-3	PG-TO263-3
Series	OptiMOS™	OptiMOS™	OptiMOS™	OptiMOS™
Power Dissipation (Max)	214W (Tc)	300W (Tc)	300W (Tc)	58W (Tc)
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Vgs(th) (Max) @ Id	4V @ 160µA	4V @ 270µA	4V @ 270µA	2V @ 20µA
Input Capacitance (Ciss) (Max) @ Vds	3230 pF @ 75 V	7100 pF @ 100 V	7100 pF @ 100 V	1639 pF @ 15 V
Drive Voltage (Max Rds On, Min Rds On)	8V, 10V	10V	10V	4.5V, 10V
Gate Charge (Qg) (Max) @ Vgs	55 nC @ 10 V	87 nC @ 10 V	87 nC @ 10 V	13 nC @ 5 V
Drain to Source Voltage (Vdss)	150 V	200 V	200 V	30 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Rds On (Max) @ Id, Vgs	10.8mOhm @ 83A, 10V	10.7mOhm @ 88A, 10V	10.7mOhm @ 88A, 10V	9.6mOhm @ 50A, 10V
Current - Continuous Drain (Id) @ 25°C	83A (Tc)	88A (Tc)	88A (Tc)	50A (Tc)
Base Product Number	IPB108	IPB107	IPB107	IPB10N
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-

### IPB108N15N3GATMA1 Datasheet PDF

Download IPB108N15N3GATMA1 pdf datasheets and Infineon Technologies documentation for IPB108N15N3GATMA1 - Infineon Technologies.

#### Other Related Documents

Part Number Guide.pdf

#### PCN Packaging

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

#### PCN Other










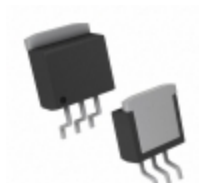








Multiple Changes 09/Jul/2014.pdf

PCN Assembly/Origin

Mult Dev Wafer Chgs 22/Dec/2021.pdf

Customers Also Interested in

Recommended Products

 <b>IPB108N15N3</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB117N20NFD</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB110P06LM</b> INF	 <b>IPB10N03L</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB107N20N3G 107N20N</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB107N20N3GATMA1</b> Infineon Technologies MOSFET N-CH 200V 88A D2PAK
 <b>IPB114N03LG</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB108N15N3G MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB107N20NAATMA1</b> Infineon Technologies MOSFET N-CH 200V 88A D2PAK	 <b>IPB10N03LB</b> Infineon Technologies MOSFET N-CH 30V 50A TO263-3	 <b>IPB107N20NA</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB108N15N3G 108N15N</b> Cypress Semiconductor (Infineon Technologies)
 <b>IPB110P06LMATMA1</b> Infineon Technologies MOSFET P-CH 60V 100A TO263-3	 <b>IPB107N20N3G MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB107N20N3GATMA1 107N20N</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB110N20N3LFATMA1</b> Infineon Technologies MOSFET N-CH 200V 88A TO263-3	 <b>IPB10N03L MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB108N15N3G</b> Infineon Technologies IPB108N15 - 12V-300V N-CHANNEL P

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 -

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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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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