



Image may be representation.  
See specifications for product details.



## IPB019N08N3GATMA1

Manufacturer Part Number	<b>IPB019N08N3GATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB019N08N3GATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	<b>MOSFET N-CH 80V 180A TO263-7</b>
Package	<b>TO-263-7, D<sup>2</sup>Pak (6 Leads + Tab)</b>
Data sheet	IPB019N08N3GATMA1.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPB019N08N3GATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB019N08N3GATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB019N08N3GATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPB019N08N3GATMA1 Tech Specifications  
IPB019N08N3GATMA1 - 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	3.5V @ 270µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	14200 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	206 nC @ 10 V
Supplier Device Package	PG-TO263-7	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.9mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	300W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	180A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB019

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB019N08N3GATMA1

Product Attribute				
Part Number	IPB019N08N3GATMA1	IPB020N08N5ATMA1	IPB019N06L3GATMA1	IPB020NE7N3G
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	1.9mOhm @ 100A, 10V	2mOhm @ 100A, 10V	1.9mOhm @ 100A, 10V	-
Supplier Device Package	PG-TO263-7	PG-TO263-3	PG-TO263-3	-
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)	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	-
Gate Charge (Qg) (Max) @ Vgs	206 nC @ 10 V	166 nC @ 10 V	166 nC @ 4.5 V	-
Drain to Source Voltage (Vdss)	80 V	80 V	60 V	-
Current - Continuous Drain (Id) @ 25°C	180A (Tc)	120A (Tc)	120A (Tc)	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-
Vgs (Max)	±20V	±20V	±20V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Input Capacitance (Ciss) (Max) @ Vds	14200 pF @ 40 V	12100 pF @ 40 V	28000 pF @ 30 V	-
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	-
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	6V, 10V	4.5V, 10V	-
Vgs(th) (Max) @ Id	3.5V @ 270µA	3.8V @ 208µA	2.2V @ 196µA	-
Base Product Number	IPB019	IPB020	IPB019	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Power Dissipation (Max)	300W (Tc)	300W (Tc)	250W (Tc)	-
FET Type	N-Channel	N-Channel	N-Channel	-
Series	OptiMOS™	OptiMOS™	OptiMOS™	-

### IPB019N08N3GATMA1 Datasheet PDF

Download IPB019N08N3GATMA1 pdf datasheets and Infineon Technologies documentation for IPB019N08N3GATMA1 - Infineon Technologies.

#### Other Related Documents

Part Number Guide.pdf



















#### PCN Packaging

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

#### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

 <b>IPB020N08N5ATMA1</b> Infineon Technologies MOSFET N-CH 80V 120A D2PAK	 <b>IPB017N10N5G</b> INENOI	 <b>IPB020N04NG</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB019N06L3G</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB019N06L3GATMA1</b> Infineon Technologies MOSFET N-CH 60V 120A D2PAK	 <b>IPB019N08N3</b> Cypress Semiconductor (Infineon Technologies)
 <b>IPB020NE7N3G</b> Infineon Technologies IPB020NE7 - 12V-300V N-CHANNEL P	 <b>IPB019N05N5G</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB020N10N5</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB020N10N5ATMA1</b> Infineon Technologies MOSFET N-CH 100V 120A D2PAK	 <b>IPB017N10N5LF</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB020N08N5</b> Cypress Semiconductor (Infineon Technologies)
 <b>IPB020NE7N3G MOS</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB017N10N5ATMA1</b> Infineon Technologies MOSFET N-CH 100V 180A TO263-7	 <b>IPB019N08N3G</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB020N04N</b> INF	 <b>IPB019N08N3G 019N08N</b> Cypress Semiconductor (Infineon Technologies)	 <b>IPB019N08N3G MOS</b> 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  
+00852 9146 4856
-  Email  
info@allelco.com

### Certifications & Memberships



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### Contact us

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