



Image may be representation.
See specifications for product details.



IPB029N06N3GATMA1

Manufacturer Part Number	IPB029N06N3GATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPB029N06N3GATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 120A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	IPB029N06N3GATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPB029N06N3GATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB029N06N3GATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB029N06N3GATMA1, please send us email: info@allelco.com

Specifications

IPB029N06N3GATMA1 Tech Specifications
IPB029N06N3GATMA1 - 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 @ 118µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	165 nC @ 10 V
Supplier Device Package	PG-TO263-3	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.9mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	188W (Tc)	Drain to Source Voltage (Vdss)	60 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	IPB029

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB029N06N3GATMA1

Product Attribute				
Part Number	IPB029N06N3GATMA1	IPB032N10N5ATMA1	IPB031NE7N3G	IPB027N10N3GATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-8, D ² Pak (7 Leads + Tab), TO-263CA	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Supplier Device Package	PG-TO263-3	PG-TO263-7	PG-TO263-3-2	PG-TO263-3
Gate Charge (Qg) (Max) @ Vgs	165 nC @ 10 V	95 nC @ 10 V	117 nC @ 10 V	206 nC @ 10 V
FET Feature	-	-	-	-
Drain to Source Voltage (Vdss)	60 V	100 V	75 V	100 V
Series	OptiMOS™	OptiMOS™	OptiMOS™ 3	OptiMOS™
Base Product Number	IPB029	IPB032	-	IPB027
Power Dissipation (Max)	188W (Tc)	187W (Tc)	214W (Tc)	300W (Tc)
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	166A (Tc)	100A (Tc)	120A (Tc)
Vgs(th) (Max) @ Id	4V @ 118µA	3.8V @ 125µA	3.8V @ 155µA	3.5V @ 275µA
Vgs (Max)	±20V	±20V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	2.9mOhm @ 100A, 10V	3.2mOhm @ 83A, 10V	3.1mOhm @ 100A, 10V	2.7mOhm @ 100A, 10V
Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V	6970 pF @ 50 V	8130 pF @ 37.5 V	14800 pF @ 50 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	6V, 10V	10V	6V, 10V

IPB029N06N3GATMA1 Datasheet PDF

Download IPB029N06N3GATMA1 pdf datasheets and Infineon Technologies documentation for IPB029N06N3GATMA1 - 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



IPB030N08N3G MOS

Cypress Semiconductor
(Infineon Technologies)



IPB032N10N5ATMA1

Infineon Technologies
MOSFET N-CH 100V 166A TO263-7



IPB031NE7N3G

Infineon Technologies
IPB031NE7 - 12V-300V N-CHANNEL P



IPB027N10N3GATMA1

Infineon Technologies
MOSFET N-CH 100V 120A D2PAK



IPB026N06NATMA1

Infineon Technologies
MOSFET N-CH 60V 25A/100A D2PAK



IPB031N08N5ATMA1

Infineon Technologies
MOSFET N-CH 80V 120A D2PAK



IPB029N06N3G MOS

Cypress Semiconductor
(Infineon Technologies)



IPB031NE7N3GATMA1

Infineon Technologies
MOSFET N-CH 75V 100A TO263-3



IPB027N10N3G 027N10N

Cypress Semiconductor
(Infineon Technologies)



IPB030N08N3GATMA1

Infineon Technologies
MOSFET N-CH 80V 160A TO263-7



IPB029N06N3G 029N06N

Cypress Semiconductor
(Infineon Technologies)



IPB033N10N5LF

Cypress Semiconductor
(Infineon Technologies)



IPB030N08N3G

Cypress Semiconductor
(Infineon Technologies)



IPB027N10N5

Cypress Semiconductor
(Infineon Technologies)



IPB027N10N5ATMA1

Infineon Technologies
MOSFET N-CH 100V 120A D2PAK



IPB026N06N3G 026N06N

Cypress Semiconductor
(Infineon Technologies)



IPB027N10N3G

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IPB029N06N3G

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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 Alleco 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

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Certifications & Memberships



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