



Image may be representation.  
See specifications for product details.



## IPD031N06L3GATMA1

Manufacturer Part Number	<b>IPD031N06L3GATMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPD031N06L3GATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	<b>MOSFET N-CH 60V 100A TO252-3</b>
Package	<b>TO-252-3, DPak (2 Leads + Tab), SC-63</b>
Data sheet	IPD031N06L3GATMA1.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPD031N06L3GATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPD031N06L3GATMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for IPD031N06L3GATMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPD031N06L3GATMA1 Tech Specifications  
IPD031N06L3GATMA1 - 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	2.2V @ 93µA	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	79 nC @ 4.5 V
Supplier Device Package	PG-TO252-3	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	3.1mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	167W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD031

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD031N06L3GATMA1

Product Attribute				
Part Number	IPD031N06L3GATMA1	IPD034N06N3GATMA1	IPD025N06N 025N06N	IPD025N06N MOS
Manufacturer	Infineon Technologies	Infineon Technologies	Cypress Semiconductor (Infineon Technologies)	Cypress Semiconductor (Infineon Technologies)
Base Product Number	IPD031	IPD034	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	-
Rds On (Max) @ Id, Vgs	3.1mOhm @ 100A, 10V	3.4mOhm @ 100A, 10V	-	-
Vgs(th) (Max) @ Id	2.2V @ 93µA	4V @ 93µA	-	-
Drain to Source Voltage (Vdss)	60 V	60 V	-	-
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	-	-
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	-	-
FET Feature	-	-	-	-
Power Dissipation (Max)	167W (Tc)	167W (Tc)	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	-
Vgs (Max)	±20V	±20V	-	-
Supplier Device Package	PG-TO252-3	PG-TO252-3	-	-
Series	OptiMOS™	OptiMOS™	-	-
FET Type	N-Channel	N-Channel	-	-
Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V	11000 pF @ 30 V	-	-
Current - Continuous Drain (Id) @ 25°C	100A (Tc)	100A (Tc)	-	-
Mounting Type	Surface Mount	Surface Mount	-	-
Gate Charge (Qg) (Max) @ Vgs	79 nC @ 4.5 V	130 nC @ 10 V	-	-

### IPD031N06L3GATMA1 Datasheet PDF

Download IPD031N06L3GATMA1 pdf datasheets and Infineon Technologies documentation for IPD031N06L3GATMA1 - Infineon Technologies.

#### Other Related Documents

Part Number Guide.pdf

#### PCN Packaging

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

Cover Tape Width Cancellation 14/Jul/2015.pdf

#### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products

**IPD025N06N 025N06N**Cypress Semiconductor  
(Infineon Technologies)**IPD025N06N MOS**Cypress Semiconductor  
(Infineon Technologies)**IPD034N06N3GATMA1**Infineon Technologies  
MOSFET N-CH 60V 100A TO252-3**IPD030N03L**Cypress Semiconductor  
(Infineon Technologies)

NO PICTURE

**IPD035N06L3**

INFINEON

**IPD034N06N3G**Cypress Semiconductor  
(Infineon Technologies)**IPD025N06N**Cypress Semiconductor  
(Infineon Technologies)**IPD031N03L**Cypress Semiconductor  
(Infineon Technologies)**IPD034N06N3G  
034N06N**Cypress Semiconductor  
(Infineon Technologies)**IPD031N06L 031N06L**Cypress Semiconductor  
(Infineon Technologies)**IPD036N04L G MOS**Cypress Semiconductor  
(Infineon Technologies)**IPD035N06L3G**Cypress Semiconductor  
(Infineon Technologies)**IPD036N04LG**Cypress Semiconductor  
(Infineon Technologies)**IPD031N06L3G**Cypress Semiconductor  
(Infineon Technologies)**IPD031N03LG**Cypress Semiconductor  
(Infineon Technologies)**IPD033N06N**Cypress Semiconductor  
(Infineon Technologies)**IPD036N04**Cypress Semiconductor  
(Infineon Technologies)**IPD034N06N3G MOS**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.



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Email

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## Certifications & Memberships



View More

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