



# IPP037N06L3G

Manufacturer Part Number	<b>IPP037N06L3G</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPP037N06L3G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 90A TO220-3
Package	TO-220-3
Data sheet	IPP037N06L3G.pdf



**Get a Quote**

IPP037N06L3G - Infineon Technologies. New Original in Stock. Download Linear Technology IPP037N06L3G datasheet/specifications on AllelcoElec.com.  
Request a quote for IPP037N06L3G, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IPP037N06L3G Tech Specifications

IPP037N06L3G - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Mounting Type	Through Hole
Vgs(th) (Max) @ Id	2.2V @ 93µA	Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V
Vgs (Max)	±20V	Gate Charge (Qg) (Max) @ Vgs	79 nC @ 4.5 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	PG-TO220-3	FET Feature	-
Rds On (Max) @ Id, Vgs	3.7mOhm @ 90A, 10V	Drive Voltage (Max Rds On, Min Rds On)	-
Power Dissipation (Max)	167W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	90A (Tc)
Operating Temperature	-55°C ~ 175°C (TJ)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPP037N06L3G

Product Attribute				
Part Number	IPP037N06L3G	IPP037N08N3GXKSA1	IPP03N03LA	IPP034NE7N3G
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Current - Continuous Drain (Id) @ 25°C	90A (Tc)	100A (Tc)	80A (Tc)	100A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V	8110 pF @ 40 V	7027 pF @ 15 V	8130 pF @ 37.5 V
Power Dissipation (Max)	167W (Tc)	214W (Tc)	150W (Tc)	214W (Tc)
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Gate Charge (Qg) (Max) @ Vgs	79 nC @ 4.5 V	117 nC @ 10 V	57 nC @ 5 V	117 nC @ 10 V
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	2.2V @ 93µA	3.5V @ 155µA	2V @ 100µA	3.8V @ 155µA
Drive Voltage (Max Rds On, Min Rds On)	-	6V, 10V	4.5V, 10V	10V
Supplier Device Package	PG-TO220-3	PG-TO220-3	PG-TO220-3	PG-TO220-3-1
Rds On (Max) @ Id, Vgs	3.7mOhm @ 90A, 10V	3.75mOhm @ 100A, 10V	3mOhm @ 55A, 10V	3.4mOhm @ 100A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	60 V	80 V	25 V	75 V

## Customers Also Interested in

### Recommended Products



**IPP037N08N3GXKSA1**  
Infineon Technologies  
MOSFET N-CH 80V 100A TO220-3



**IPP037N06L3G/037N06I**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP03N03LA**  
Infineon Technologies  
MOSFET N-CH 25V 80A TO220-3



**IPP034N03L**  
INF



**IPP034N03LGXK**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP037N08NG**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP032N06N3G  
032N06N**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP037N08N**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP034NE7N3G**  
Infineon Technologies  
IPP034NE7 - 12V-300V N-CHANNEL P



**IPP034NE7N3G  
034NE7N**  
Cypress Semiconductor  
(Infineon Technologies)



**IPP034N03LG**  
Infineon Technologies  
N-CHANNEL POWER MOSFET



**IPP032N06N3GXKSA1**  
Infineon Technologies  
MOSFET N-CH 60V 120A TO220-3



### IPP034N08N5

Cypress Semiconductor  
(Infineon Technologies)

### IPP034N08N5 MOS

Cypress Semiconductor  
(Infineon Technologies)

### IPP034NE7N3GXKSA1

Infineon Technologies  
MOSFET N-CH 75V 100A TO220-3

### IPP039N04L

Cypress Semiconductor  
(Infineon Technologies)

### IPP039N04LG

Cypress Semiconductor  
(Infineon Technologies)

### IPP037N08N3G

Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module

## 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.

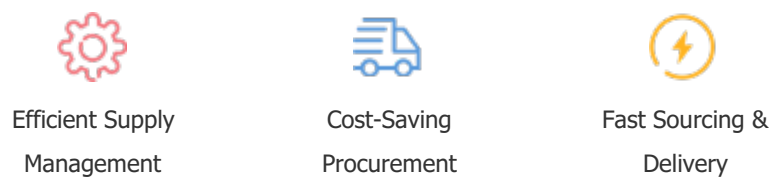
### Payment Support

The payment method can be chosen from the methods shown below:

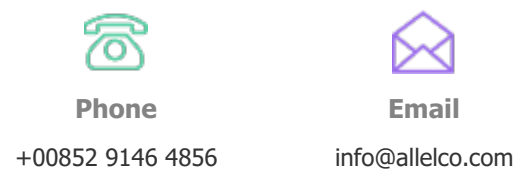
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



[View More](#)



### Contact us

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