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IPP037N06L3G

Manufacturer Part Number IPP037N06L3G

Infineon Technologies Manufacturer

32D-IPP037N06L3G Allelco Part Number

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MOSFET N-CH 60V 90A TO220-3

TO-220-3 Package

IPP037N06L3G - Infineon Technologies.New Original in Stock. Download Linear Technology IPP037N06L3G datasheet/specifications on AllelcoElec.com.

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IPP037N06L3G.pdf

Specifications

ECAD Model

Data sheet

Parts Description

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 NO PICTURE PROSPRINCES PROSPRINC	The tiree parts on the right have similar specifications to minicon reclinologies in 657NooEsd				
Manufacturer Infineor Technologies Infineor Technologies Lotificeor Technologies Lotificeor Technologies Current - Continuous Drain (16) © 25°C SBA (TC) 100A (TC) 80A (TC) 100A (TC) Imput Capacitance (Ciss) (Max) © Vds 13000 pf 8 30 V 8110 pf 8 40 V 7027 pf 8 15 V 8130 pf 8 37.5 V Power Dissipation (Max) 167W (Tc) 214W (Tc) 150W (Tt) 214W (Tc) 150W (Tt) 214W (Tc) Vgs (Max) 420V 117 vic g 10V 45V c - 175V c (TI) 10V	Product Attribute	NO PICTURE			infineon
Current - Continuous Drain (1d) et 25°C 90A (Tc) 100A (Tc) 80A (Tc) 100A (Tc) Lingut Capacitance (Cliss) (Max) @ Vols 15000 pt @ 30 V 8110 pt @ 40 V 7027 pt @ 15 V 8130 pt @ 37.5 V Power Dissipation (Max) 167W (Tc) 214W (Tc) 150W (Tc) 214W (Tc) FET Feature - - - - Vgs (Max) 420V 420V 420V 420V Mounting Type Through Hole 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 -55PC ~ 175PC (Tl) -55PC ~ 175PC (Tl) 55PC ~ 175PC (Tl) -55PC ~ 175PC (Tl) Vgs(th) (Max) @ 1d 2.7 v @ 93µA 3.5 v @ 155µA 70 dough 3.6 v @ 155µA Drive Voltage (Max Rds On, Min Rds On, Min Rds On, Min Rds On) PG-T0220-3 PG-T0220-3 PG-T0220-3 Rds On (Max) @ 1d, Vgs 3.7 ncOm @ 90A, 10V 3.75 ncOm @ 10A, 10V 90A nc @ 55A, 10V 3.4 ncOm @ 10A, 10V FET Type N-Chernol N-Che	Part Number	IPP037N06L3G	IPP037N08N3GXKSA1	IPP03N03LA	IPP034NE7N3G
Input Capacitance (Cias) (Max) @ Vide 13000 pF @ 30 V 8110 pF @ 40 V 7027 pF @ 15 V 8120 pF @ 37.5 V	Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Power Dissipation (Max) 167W (Tc) 214W (Tc) 150W (Tc) 214W (Tc) FET Feature - - - - Vgs (Max) ±20V ±20V ±20V ±20V Mounting Type Through Hole All Poll Through Hole All Poll Through Hole All Poll All Poll % 90 (Tr) % 90 (Tr) <t< td=""><td></td><td>90A (Tc)</td><td>100A (Tc)</td><td>80A (Tc)</td><td>100A (Tc)</td></t<>		90A (Tc)	100A (Tc)	80A (Tc)	100A (Tc)
FET Feature - <th< td=""><td>Input Capacitance (Ciss) (Max) @ Vds</td><td>13000 pF @ 30 V</td><td>8110 pF @ 40 V</td><td>7027 pF @ 15 V</td><td>8130 pF @ 37.5 V</td></th<>	Input Capacitance (Ciss) (Max) @ Vds	13000 pF @ 30 V	8110 pF @ 40 V	7027 pF @ 15 V	8130 pF @ 37.5 V
Vgs (Max) ±20V	Power Dissipation (Max)	167W (Tc)	214W (Tc)	150W (Tc)	214W (Tc)
Mounting Type Through Hole To For CYD \$5°C ~ 175°C (TJ) 55°C ~ 175°C (TJ) 45°U (TJ	FET Feature	-	-	-	-
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-T0220-3 PG-T0220-3 PG-T0220-3 PG-T0220-3-1 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 N-Channel Package / Case TO-220-3 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)	Vgs (Max)	±20V	±20V	±20V	±20V
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-T0220-3 PG-T0220-3 PG-T0220-3 PG-T0220-3-1 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 N-Channel Package / Case TO-220-3 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)	Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
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 N-Channel Package / Case TO-220-3 TO-220-3 TO-220-3 TO-220-3 MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	79 nC @ 4.5 V	117 nC @ 10 V	57 nC @ 5 V	117 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On) - 6V, 10V 4.5V, 10V 10V Supplier Device Package PG-TO220-3 PG-TO220-3 PG-TO220-3-1 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 N-Channel Package / Case TO-220-3 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)	Operating Temperature	-55°C ~ 175°C (TJ)			
On) 4-5V, 10V 4-5V, 10V 10V Supplier Device Package 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 N-Channel Package / Case TO-220-3 TO-220-3 TO-220-3 TO-220-3 MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide)	Vgs(th) (Max) @ Id	2.2V @ 93µA	3.5V @ 155μA	2V @ 100μA	3.8V @ 155µA
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 TO-220-3 TO-220-3 TO-220-3 TO-220-3 TO-220-3 TO-220-3 MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide)		-	6V, 10V	4.5V, 10V	10V
FET Type N-Channel N-Channel N-Channel N-Channel N-Channel N-Channel TO-220-3 TO-220	Supplier Device Package	PG-TO220-3	PG-TO220-3	PG-TO220-3	PG-TO220-3-1
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)	Rds On (Max) @ Id, Vgs	3.7mOhm @ 90A, 10V	3.75mOhm @ 100A, 10V	3mOhm @ 55A, 10V	3.4mOhm @ 100A, 10V
Technology MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide)	FET Type	N-Channel	N-Channel	N-Channel	N-Channel
	Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Drain to Source Voltage (Vdss) 60 V 80 V 25 V	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

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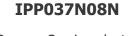






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MOSFET N-CH 60V 120A TO220-3















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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		
Oceania	New Zealand	7		
Asia	India	6		
Asia	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.











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Contact us if you have any questions.



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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