




# IPB180N03S4L-01

Manufacturer Part Number	<b>IPB180N03S4L-01</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB180N03S4L-01
ECAD Model	 PCB Footprint and Symbol
Parts Description	<b>IPB180N03 - 20V-40V N-CHANNEL AU</b>
Package	<b>TO-263-7, D<sup>2</sup>Pak (6 Leads + Tab), TO-263CB</b>
Data sheet	IPB180N03S4L-01.pdf



**Get a Quote**

IPB180N03S4L-01 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB180N03S4L-01 datasheet/specifications on AllelcoElec.com.  
Request a quote for IPB180N03S4L-01, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





IPB180N03S4L-01 Tech Specifications

IPB180N03S4L-01 - 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 @ 140µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	17600 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	239 nC @ 10 V
Supplier Device Package	PG-TO263-7-3-10	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	1.05mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	188W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab), TO-263CB	Current - Continuous Drain (Id) @ 25°C	180A (Tc)
Package	Bulk	Base Product Number	IPB180

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB180N03S4L-01

Product Attribute				
Part Number	IPB180N03S4L-01	IPB180N03S4L-H0	IPB17N25S3100ATMA1	IPB180N03S4LHOATMA1
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)
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	17600 pF @ 25 V	23000 pF @ 25 V	1500 pF @ 25 V	23000 pF @ 25 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	188W (Tc)	250W (Tc)	107W (Tc)	250W (Tc)
Base Product Number	IPB180	IPB180	IPB17N25	IPB180
Vgs (Max)	±16V	±16V	±20V	±16V
Supplier Device Package	PG-TO263-7-3-10	PG-TO263-7-3-10	PG-TO263-3-2	PG-TO263-7-3
Drain to Source Voltage (Vdss)	30 V	30 V	250 V	30 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
Rds On (Max) @ Id, Vgs	1.05mOhm @ 100A, 10V	0.95mOhm @ 100A, 10V	100mOhm @ 17A, 10V	0.95mOhm @ 100A, 10V
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 @ 140µA	2.2V @ 200µA	4V @ 54µA	2.2V @ 200µA
Current - Continuous Drain (Id) @ 25°C	180A (Tc)	180A (Tc)	17A (Tc)	180A (Tc)
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab), TO-263CB	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab), TO-263CB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)
Package	Bulk	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	239 nC @ 10 V	300 nC @ 10 V	19 nC @ 10 V	300 nC @ 10 V
Series	CoolMOS™	CoolMOS™	Automotive, AEC-Q101, OptiMOS™	OptiMOS™

## Customers Also Interested in

### Recommended Products



**IPB16CNE8NG**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N04S4-00**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N03S4L-H0**  
Infineon Technologies  
IPB180N03 - 20V-40V N-CHANNEL  
AU



**IPB180N03S4L-01 MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N04S4-00 MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB17N25S3-100**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N04S3-02**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB17N25S3-100 MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N03S4L-H0  
4N03LH0**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N04S4-01**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB16CN10NG**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB17N25S3100ATMA1**  
Infineon Technologies  
MOSFET N-CH 250V 17A TO263-3



**IPB180N04S3-02 MOS**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB180N03S4LH0ATMA1**  
Infineon Technologies  
MOSFET N-CH 30V 180A TO263-7



**IPB160N04S4-H1  
4N04H1**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB160N04S4-H1**  
Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module



**IPB160N04S4L-H1**  
Cypress Semiconductor  
(Infineon Technologies)



**IPB16CN10N**  
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.



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 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone  
+00852 9146 4856  
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## Certifications & Memberships



View More



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