



Image may be representation.  
See specifications for product details.



## IPB120P04P4L03ATMA2

Manufacturer Part Number	<b>IPB120P04P4L03ATMA2</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IPB120P04P4L03ATMA2
ECAD Model	PCB Footprint and Symbol
Parts Description	<b>MOSFET P-CH 40V 120A TO263-3</b>
Package	<b>TO-263-3, D<sup>2</sup>Pak (2 Leads + Tab), TO-263AB</b>
Data sheet	IPB120P04P4L03ATMA2.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IPB120P04P4L03ATMA2 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB120P04P4L03ATMA2 datasheet/specifications on AllelcoElec.com. Request a quote for IPB120P04P4L03ATMA2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IPB120P04P4L03ATMA2 Tech Specifications

IPB120P04P4L03ATMA2 - 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 @ 340µA	Mounting Type	Surface Mount
Vgs (Max)	+5V, -16V	Input Capacitance (Ciss) (Max) @ Vds	15000 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	234 nC @ 10 V
Supplier Device Package	PG-TO263-3-2	FET Type	P-Channel
Series	OptiMOS®-P2	FET Feature	-
Rds On (Max) @ Id, Vgs	3.4mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	136W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB120

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB120P04P4L03ATMA2

Product Attribute				
Part Number	IPB120P04P4L03ATMA2	IPB120P04P4L03ATMA1	IPB120N10S405ATMA1	IPB120N10S4-05
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Cypress Semiconductor (Infineon Technologies)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	-
Vgs(th) (Max) @ Id	2.2V @ 340µA	2.2V @ 340µA	3.5V @ 120µA	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	-
Gate Charge (Qg) (Max) @ Vgs	234 nC @ 10 V	234 nC @ 10 V	91 nC @ 10 V	-
Rds On (Max) @ Id, Vgs	3.4mOhm @ 100A, 10V	3.1mOhm @ 100A, 10V	5mOhm @ 100A, 10V	-
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	-
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
FET Type	P-Channel	P-Channel	N-Channel	-
Drain to Source Voltage (Vdss)	40 V	40 V	100 V	-
Base Product Number	IPB120	IPB120	IPB120	-
Series	OptiMOS®-P2	OptiMOS™	Automotive, AEC-Q101, OptiMOS™	-
Power Dissipation (Max)	136W (Tc)	136W (Tc)	190W (Tc)	-
Vgs (Max)	+5V, -16V	±16V	±20V	-
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	120A (Tc)	120A (Tc)	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-
Supplier Device Package	PG-TO263-3-2	PG-TO263-3	PG-TO263-3	-
Input Capacitance (Ciss) (Max) @ Vds	15000 pF @ 25 V	15000 pF @ 25 V	6540 pF @ 25 V	-

### IPB120P04P4L03ATMA2 Datasheet PDF

Download IPB120P04P4L03ATMA2 pdf datasheets and Infineon Technologies documentation for IPB120P04P4L03ATMA2 - Infineon Technologies.

PCN Assembly/Origin

Mult Dev Assembly/Status 6/Jul/2022.pdf

### Customers Also Interested in

#### Recommended Products



**IPB120N10S4-05**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB12CNE8NG**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB140N08S4-04**  
INF

**IPB140N08S4-04 MOS**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB136N08N3G**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB120N08S4-04**  
INF



**IPB12CN10LG**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB12CN10NG**  
VBSEMI

**IPB120N08S403ATMA1  
4N0803**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB120P04P4-04**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB120P04P4L-03**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB120P04P4L03ATMA1**  
Infineon Technologies  
MOSFET P-CH 40V 120A D2PAK



**IPB120N10S405ATMA1**  
Infineon Technologies  
MOSFET N-CH 100V 120A D2PAK

**IPB120P04P4L-  
03ATMA1**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB12CN10NG MOS**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB123N10N3G**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB144N12N3G**  
Cypress Semiconductor  
(Infineon Technologies)

**IPB123N10N3**  
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.

Phone  
+00852 9146 4856  
 Email  
info@allelco.com

## Certifications & Memberships



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