



Image may be representation.
See specifications for product details.



IPB180P04P4L02ATMA1

Manufacturer Part Number	IPB180P04P4L02ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPB180P04P4L02ATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET P-CH 40V 180A TO263-7
Package	TO-263-7, D ² Pak (6 Leads + Tab)
Data sheet	IPB180P04P4L-02.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPB180P04P4L02ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB180P04P4L02ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPB180P04P4L02ATMA1, please send us email: info@allelco.com

Specifications

IPB180P04P4L02ATMA1 Tech Specifications
IPB180P04P4L02ATMA1 - 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 @ 410µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	18700 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	286 nC @ 10 V
Supplier Device Package	PG-TO263-7-3	FET Type	P-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.4mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	150W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	180A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB180

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB180P04P4L02ATMA1

Product Attribute				
Part Number	IPB180P04P4L02ATMA1	IPB200N15N3G	IPB180N10S403ATMA1	IPB180N10S402ATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Rds On (Max) @ Id, Vgs	2.4mOhm @ 100A, 10V	20mOhm @ 50A, 10V	3.3mOhm @ 100A, 10V	2.5mOhm @ 100A, 10V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	8V, 10V	10V	10V
FET Type	P-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	286 nC @ 10 V	31 nC @ 10 V	140 nC @ 10 V	200 nC @ 10 V
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Power Dissipation (Max)	150W (Tc)	150W (Tc)	250W (Tc)	300W (Tc)
Supplier Device Package	PG-TO263-7-3	PG-TO263-3-2	PG-TO263-7-3	PG-TO263-7-3
Drain to Source Voltage (Vdss)	40 V	150 V	100 V	100 V
Current - Continuous Drain (Id) @ 25°C	180A (Tc)	50A (Tc)	180A (Tc)	180A (Tc)
Series	OptiMOS™	OptiMOS™ 3	Automotive, AEC-Q101, OptiMOS™	Automotive, AEC-Q101, OptiMOS™
Vgs(th) (Max) @ Id	2.2V @ 410µA	4V @ 90µA	3.5V @ 180µA	3.5V @ 275µA
Base Product Number	IPB180	-	IPB180	IPB180
Input Capacitance (Ciss) (Max) @ Vds	18700 pF @ 25 V	1820 pF @ 75 V	10120 pF @ 25 V	14600 pF @ 25 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-7, D ² Pak (6 Leads + Tab)	TO-263-7, D ² Pak (6 Leads + Tab)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±16V	±20V	±20V	±20V
FET Feature	-	-	-	-

IPB180P04P4L02ATMA1 Datasheet PDF

Download IPB180P04P4L02ATMA1 pdf datasheets and Infineon Technologies documentation for IPB180P04P4L02ATMA1 - Infineon Technologies.

Datasheets

IPB180P04P4L-02.pdf

Other Related Documents

Part Number Guide.pdf

PCN Packaging

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

PCN Design/Specification

Mult Dev DS Update 17/Apr/2020.pdf



















Mult Dev Design Chg 9/Oct/2019.pdf

PCN Assembly/Origin

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

Customers Also Interested in

Recommended Products

 IPB200N15N3G Infineon Technologies IPB200N15 - 12V-300V N-CHANNEL P	 IPB180N10S403ATMA1 Infineon Technologies MOSFET N-CH 100V 180A TO263-7	 IPB200N25N3G Cypress Semiconductor (Infineon Technologies)	 IPB180P04P4-03 Cypress Semiconductor (Infineon Technologies)	 IPB200N15N3G 200N15N Cypress Semiconductor (Infineon Technologies)	 IPB180P04P4L-02 Cypress Semiconductor (Infineon Technologies)
 IPB180N06S4-H1 Cypress Semiconductor (Infineon Technologies)	 IPB200N15N INFINEO	 IPB180N10S4 Cypress Semiconductor (Infineon Technologies)	 IPB180N10S402ATMA1 Infineon Technologies MOSFET N-CH 100V 180A TO263-7	 IPB200N15N3 Infineon Technologies N-CHANNEL POWER MOSFET	 IPB180N08S4-02 Cypress Semiconductor (Infineon Technologies)
 IPB200N15N3GATMA1 Infineon Technologies MOSFET N-CH 150V 50A D2PAK	 IPB180N10S4-02 Cypress Semiconductor (Infineon Technologies)	 IPB200N15N3G MOS Cypress Semiconductor (Infineon Technologies)	 IPB180N10S4-03 INF	 IPB180N06S4-H1 MOS Cypress Semiconductor (Infineon Technologies)	 IPB200N25N3G 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.

 Phone
+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



View More

