

Image may be representation.
See specifications for product details.



IPB020N10N5ATMA1

Manufacturer Part Number	IPB020N10N5ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPB020N10N5ATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 100V 120A D2PAK
Package	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Data sheet	IPB020N10N5ATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPB020N10N5ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPB020N10N5ATMA1 datasheet/specifications on AllelcoElec.com.
Request a quote for IPB020N10N5ATMA1, please send us email: info@allelco.com

Specifications

IPB020N10N5ATMA1 Tech Specifications

IPB020N10N5ATMA1 - 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	3.8V @ 270µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	15600 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V
Supplier Device Package	PG-TO263-3	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	2mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	375W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPB020

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPB020N10N5ATMA1

Product Attribute				
Part Number	IPB020N10N5ATMA1	IPB020NE7N3G	IPB022N04LG	IPB019N08N3GATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	-	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-7, D ² Pak (6 Leads + Tab)
Supplier Device Package	PG-TO263-3	-	PG-TO263-3-2	PG-TO263-7
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	-	4.5V, 10V	6V, 10V
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	-	90A (Tc)	180A (Tc)
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	15600 pF @ 50 V	-	13000 pF @ 20 V	14200 pF @ 40 V
FET Type	N-Channel	-	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	-	Bulk	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	2mOhm @ 100A, 10V	-	2.2mOhm @ 90A, 10V	1.9mOhm @ 100A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)	-	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Power Dissipation (Max)	375W (Tc)	-	167W (Tc)	300W (Tc)
Vgs(th) (Max) @ Id	3.8V @ 270µA	-	2V @ 95µA	3.5V @ 270µA
Gate Charge (Qg) (Max) @ Vgs	210 nC @ 10 V	-	166 nC @ 10 V	206 nC @ 10 V
Series	OptiMOS™	-	OptiMOS™ 3	OptiMOS™
Base Product Number	IPB020	-	-	IPB019
Vgs (Max)	±20V	-	±20V	±20V
Drain to Source Voltage (Vdss)	100 V	-	40 V	80 V

IPB020N10N5ATMA1 Datasheet PDF

Download IPB020N10N5ATMA1 pdf datasheets and Infineon Technologies documentation for IPB020N10N5ATMA1 - Infineon Technologies.

Other Related Documents



Part Number Guide.pdf

PCN Packaging



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

PCN Assembly/Origin



Customers Also Interested in

Recommended Products

IPB020N04NG Cypress Semiconductor (Infineon Technologies)	IPB022N04L Cypress Semiconductor (Infineon Technologies)	IPB020N04N INF	IPB020NE7N3G Infineon Technologies IPB020NE7 - 12V-300V N-CHANNEL P	IPB022N04LG Infineon Technologies N-CHANNEL POWER MOSFET	IPB019N08N3G 019N08N Cypress Semiconductor (Infineon Technologies)
IPB019N08N3G MOS Cypress Semiconductor (Infineon Technologies)	IPB020N08N5AKSA1 IC	IPB019N08N3G Cypress Semiconductor (Infineon Technologies)	IPB023N06N3G Cypress Semiconductor (Infineon Technologies) IGBT Module	IPB020N08N5 Cypress Semiconductor (Infineon Technologies)	IPB019N08N3GATMA1 Infineon Technologies MOSFET N-CH 80V 180A TO263-7
IPB020NE7N3G MOS Cypress Semiconductor (Infineon Technologies)	IPB020NE7N3GATMA1 Infineon Technologies MOSFET N-CH 75V 120A D2PAK	IPB023N04NG Infineon Technologies N-CHANNEL POWER MOSFET	IPB020N10N5 Cypress Semiconductor (Infineon Technologies)	IPB021N06N3G Infineon Technologies N-CHANNEL POWER MOSFET	IPB020N08N5ATMA1 Infineon Technologies MOSFET N-CH 80V 120A D2PAK

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 Alleco 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.

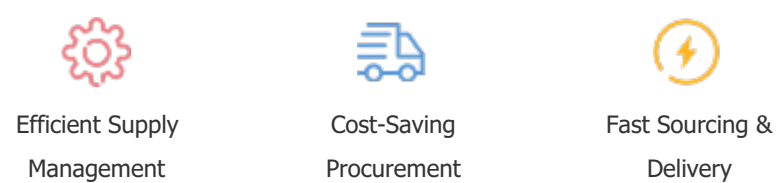
Payment Support

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.



+00852 9146 4856

info@alleco.com

Certifications & Memberships



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