

Image may be representation.
See specifications for product details.



IPP120P04P4L03AKSA1

Manufacturer Part Number	IPP120P04P4L03AKSA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPP120P04P4L03AKSA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 40V 120A TO220-3
Package	TO-220-3
Data sheet	IPP120P04P4L03AKSA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPP120P04P4L03AKSA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IPP120P04P4L03AKSA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPP120P04P4L03AKSA1, please send us email: info@allelco.com

Specifications

IPP120P04P4L03AKSA1 Tech Specifications
IPP120P04P4L03AKSA1 - 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	Through Hole
Vgs (Max)	±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-TO220-3-1	FET Type	P-Channel
Series	Automotive, AEC-Q101, OptiMOS™	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-220-3	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tube	Base Product Number	IPP120

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPP120P04P4L03AKSA1

Product Attribute				
Part Number	IPP120P04P4L03AKSA1	IPP139N08N3G	IPP120N20NFDAKSA1	IPP120P04P404AKSA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	P-Channel	N-Channel	N-Channel	P-Channel
Power Dissipation (Max)	136W (Tc)	79W (Tc)	300W (Tc)	136W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	6V, 10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	15000 pF @ 25 V	1730 pF @ 40 V	6650 pF @ 100 V	14790 pF @ 25 V
Rds On (Max) @ Id, Vgs	3.4mOhm @ 100A, 10V	13.9mOhm @ 45A, 10V	12mOhm @ 84A, 10V	3.8mOhm @ 100A, 10V
Base Product Number	IPP120	-	IPP120	IPP120P
Series	Automotive, AEC-Q101, OptiMOS™	OptiMOS™	OptiMOS™	Automotive, AEC-Q101, OptiMOS™
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drain to Source Voltage (Vdss)	40 V	80 V	200 V	40 V
Vgs (Max)	±16V	±20V	±20V	±20V
Supplier Device Package	PG-TO220-3-1	PG-TO220-3	PG-TO220-3	PG-TO220-3-1
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	45A (Tc)	84A (Tc)	120A (Tc)
Vgs(th) (Max) @ Id	2.2V @ 340µA	3.5V @ 33µA	4V @ 270µA	4V @ 340µA
Gate Charge (Qg) (Max) @ Vgs	234 nC @ 10 V	25 nC @ 10 V	87 nC @ 10 V	205 nC @ 10 V
Package	Tube	Bulk	Tube	Tube
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Feature	-	-	-	-

IPP120P04P4L03AKSA1 Datasheet PDF

Download IPP120P04P4L03AKSA1 pdf datasheets and Infineon Technologies documentation for IPP120P04P4L03AKSA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Design/Specification



















Mult Dev DS Update 17/Apr/2020.pdf

Mult Dev Design Chg 9/Oct/2019.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 IPP120N20NFD Cypress Semiconductor (Infineon Technologies)	 IPP139N08N3G Infineon Technologies N-CHANNEL POWER MOSFET	 IPP12CN10NG Cypress Semiconductor (Infineon Technologies)	 IPP139N08N Cypress Semiconductor (Infineon Technologies)	 IPP120N20NFDKSA1 Infineon Technologies MOSFET N-CH 200V 84A TO220-3	 IPP12CN10LG Cypress Semiconductor (Infineon Technologies) IGBT Module
 IPP120P04P4-04 Cypress Semiconductor (Infineon Technologies)	 IPP12CN10N Cypress Semiconductor (Infineon Technologies)	 IPP120P04P4L-03 INF	 IPP139N08N3 Cypress Semiconductor (Infineon Technologies)	 IPP13N03LBG INF	 IPP120P04P404AKSA1 Infineon Technologies MOSFET P-CH 40V 120A TO220-3
 IPP120N20NF Cypress Semiconductor (Infineon Technologies)	 IPP120N06S4-03 VBsemi	 IPP126N10N3G Infineon Technologies MOSFET N-CH 100V 58A TO220-3	 IPP120N08S4-03 Cypress Semiconductor (Infineon Technologies)	 IPP12CN10L Cypress Semiconductor (Infineon Technologies)	 IPP120N08S4-04 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

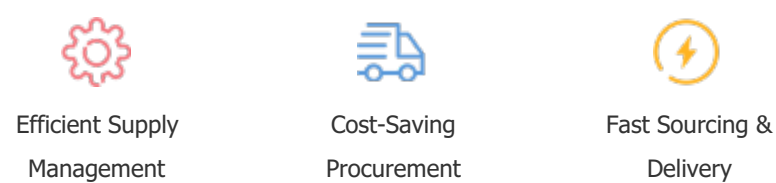
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

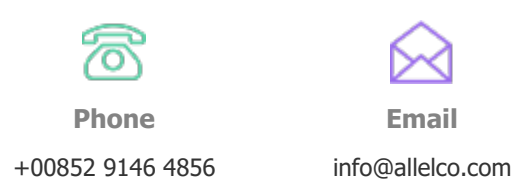
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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