



Image may be representation.
See specifications for product details.



IPD85P04P4L06ATMA1

Manufacturer Part Number	IPD85P04P4L06ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD85P04P4L06ATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET P-CH 40V 85A TO252-3
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD85P04P4L06ATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPD85P04P4L06ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPD85P04P4L06ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPD85P04P4L06ATMA1, please send us email: info@allelco.com

Specifications

IPD85P04P4L06ATMA1 Tech Specifications
IPD85P04P4L06ATMA1 - 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 @ 150µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	6580 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	104 nC @ 10 V
Supplier Device Package	PG-TO252-3-313	FET Type	P-Channel
Series	Automotive, AEC-Q101, OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	6.4mOhm @ 85A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	88W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	85A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD85P04

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD85P04P4L06ATMA1

Product Attribute				
Part Number	IPD85P04P4L06ATMA1	IPD80R600P7ATMA1	IPD900P06NMATMA1	IPD90N04S3-04
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Gate Charge (Qg) (Max) @ Vgs	104 nC @ 10 V	20 nC @ 10 V	27 nC @ 10 V	80 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40 V	800 V	60 V	40 V
Vgs(th) (Max) @ Id	2.2V @ 150µA	3.5V @ 170µA	4V @ 710µA	4V @ 90µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	85A (Tc)	8A (Tc)	16.4A (Tc)	90A (Tc)
Vgs (Max)	±16V	±20V	±20V	±20V
Series	Automotive, AEC-Q101, OptiMOS™	CoolMOS™ P7	OptiMOS™	Automotive, AEC-Q101, OptiMOS™
Input Capacitance (Ciss) (Max) @ Vds	6580 pF @ 25 V	570 pF @ 500 V	1100 pF @ 30 V	5200 pF @ 25 V
Base Product Number	IPD85P04	IPD80R600	IPD90	IPD90
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
Supplier Device Package	PG-TO252-3-313	PG-TO252-3	PG-TO252-3-313	PG-TO252-3-11
FET Type	P-Channel	N-Channel	P-Channel	N-Channel
Power Dissipation (Max)	88W (Tc)	60W (Tc)	63W (Tc)	136W (Tc)
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	6.4mOhm @ 85A, 10V	600mOhm @ 3.4A, 10V	90mOhm @ 16.4A, 10V	3.6mOhm @ 80A, 10V

IPD85P04P4L06ATMA1 Datasheet PDF

Download IPD85P04P4L06ATMA1 pdf datasheets and Infineon Technologies documentation for IPD85P04P4L06ATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Packaging



















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

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
IPD90N03S4L-03 Cypress Semiconductor (Infineon Technologies)	IPD80R750P7 Cypress Semiconductor (Infineon Technologies)	IPD80R600P7ATMA1 Infineon Technologies MOSFET N-CH 800V 8A TO252-3	IPD900P06NMTMA1 Infineon Technologies MOSFET P-CH 60V 16.4A TO252	IPD80R450P7 Cypress Semiconductor (Infineon Technologies)	IPD90N04S3-04 Infineon Technologies OPTLMOS N-CHANNEL POWER MOSFET
					
IPD90N03S4L-02 MOS Cypress Semiconductor (Infineon Technologies)	IPD85P04P4-07 INF	IPD85P04P4L-06 Cypress Semiconductor (Infineon Technologies)	IPD80R4K5P7 Infineon Technologies POWER FIELD-EFFECT TRANSISTOR	IPD90N04S03-04 Cypress Semiconductor (Infineon Technologies)	IPD80R900P7 Infineon Technologies POWER FIELD-EFFECT TRANSISTOR
					
IPD80R450P7ATMA1 Infineon Technologies MOSFET N-CH 800V 11A TO252	IPD85P04P4L06ATMA2 Infineon Technologies MOSFET P-CH 40V 85A TO252-3	IPD90N04S3-H4 Cypress Semiconductor (Infineon Technologies)	IPD90N03S4L-02 Cypress Semiconductor (Infineon Technologies)	IPD85P04P407ATMA1 Infineon Technologies MOSFET P-CH 40V 85A TO252-3	IPD90N04S304ATMA1 Infineon Technologies MOSFET N-CH 40V 90A TO252-3

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
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Certifications & Memberships



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