



Image may be representation.
See specifications for product details.



IPD60N10S4L12ATMA1

Manufacturer Part Number	IPD60N10S4L12ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD60N10S4L12ATMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 100V 60A TO252-3
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD60N10S4L12ATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPD60N10S4L12ATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IPD60N10S4L12ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPD60N10S4L12ATMA1, please send us email: info@allelco.com

Specifications

IPD60N10S4L12ATMA1 Tech Specifications
IPD60N10S4L12ATMA1 - 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	2.1V @ 46µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	3170 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	49 nC @ 10 V
Supplier Device Package	PG-TO252-3-313	FET Type	N-Channel
Series	Automotive, AEC-Q101, HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	12mOhm @ 60A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	94W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	60A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD60N10

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD60N10S4L12ATMA1

Product Attribute				
Part Number	IPD60N10S4L12ATMA1	IPD600N25N3GATMA1	IPD60R1K4C6	IPD60R180P7SAUMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Power Dissipation (Max)	94W (Tc)	136W (Tc)	28.4W (Tc)	72W (Tc)
Vgs (Max)	±16V	±20V	±20V	±20V
Series	Automotive, AEC-Q101, HEXFET®	OptiMOS™	CoolMOS™ C6	CoolMOS™ P7
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
Supplier Device Package	PG-TO252-3-313	PG-TO252-3	PG-TO252-3	PG-TO252-3
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	49 nC @ 10 V	29 nC @ 10 V	9.4 nC @ 10 V	25 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drain to Source Voltage (Vdss)	100 V	250 V	600 V	600 V
Base Product Number	IPD60N10	IPD600	IPD60R	IPD60R
Input Capacitance (Ciss) (Max) @ Vds	3170 pF @ 25 V	2350 pF @ 100 V	200 pF @ 100 V	1081 pF @ 400 V
Current - Continuous Drain (Id) @ 25°C	60A (Tc)	25A (Tc)	3.2A (Tc)	18A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	12mOhm @ 60A, 10V	60mOhm @ 25A, 10V	1.4Ohm @ 1.1A, 10V	180mOhm @ 5.6A, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vgs(th) (Max) @ Id	2.1V @ 46µA	4V @ 90µA	3.5V @ 90µA	4V @ 280µA

IPD60N10S4L12ATMA1 Datasheet PDF

Download IPD60N10S4L12ATMA1 pdf datasheets and Infineon Technologies documentation for IPD60N10S4L12ATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf



















PCN Packaging

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

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

					
IPD600N25N3GATMA1 Infineon Technologies MOSFET N-CH 250V 25A TO252-3	IPD60N10S4-12 Cypress Semiconductor (Infineon Technologies)	IPD60R1K4C6 Infineon Technologies MOSFET N-CH 600V 3.2A TO252-3	IPD60N10S4L-12 Cypress Semiconductor (Infineon Technologies) IGBT Module	IPD600N25N3G INFINEON	IPD60R180C7 Cypress Semiconductor (Infineon Technologies)
					
IPD60R180P7SAUMA1 Infineon Technologies MOSFET N-CH 600V 18A TO252-3	IPD60R1K0CE Cypress Semiconductor (Infineon Technologies)	IPD600N25N3 Cypress Semiconductor (Infineon Technologies)	IPD600N25N3G 600N25N Cypress Semiconductor (Infineon Technologies)	IPD530N15N3G Cypress Semiconductor (Infineon Technologies) IGBT Module	IPD60R145CFD7 Cypress Semiconductor (Infineon Technologies)
					
IPD60R1K0CEAUMA1 Infineon Technologies MOSFET N-CH 600V 6.8A 61W TO252	IPD60R180P7S Cypress Semiconductor (Infineon Technologies)	IPD5N25S3-430 Cypress Semiconductor (Infineon Technologies)	IPD600N25N3G MOS Cypress Semiconductor (Infineon Technologies)	IPD60R180P7ATMA1 Infineon Technologies MOSFET N-CH 600V 18A TO252-3	IPD5N25S3430 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

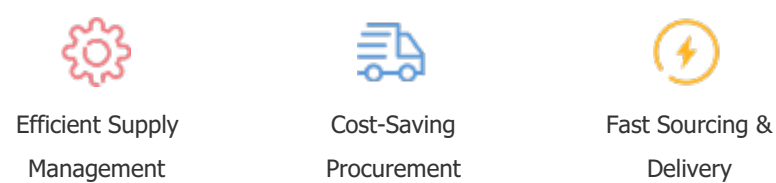
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

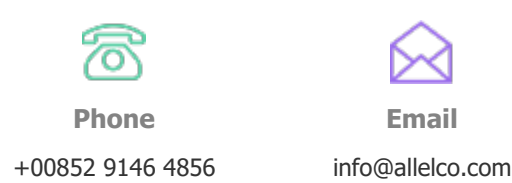
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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