



Image may be representation.
See specifications for product details.



IPD70N10S3L12ATMA1

Manufacturer Part Number	IPD70N10S3L12ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD70N10S3L12ATMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 100V 70A TO252-3
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD70N10S3L12ATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPD70N10S3L12ATMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPD70N10S3L12ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPD70N10S3L12ATMA1, please send us email: info@allelco.com

Specifications

IPD70N10S3L12ATMA1 Tech Specifications

IPD70N10S3L12ATMA1 - 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	2.4V @ 83µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	5550 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	77 nC @ 10 V
Supplier Device Package	PG-TO252-3-11	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	11.5mOhm @ 70A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	125W (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	70A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD70

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD70N10S3L12ATMA1

Product Attribute				
Part Number	IPD70N10S3L12ATMA1	IPD70P04P4L08ATMA2	IPD70N03S4L04ATMA1	IPD70P04P409ATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Vgs (Max)	±20V	+5V, -16V	±16V	±20V
Series	OptiMOS™	OptiMOS®-P2	OptiMOS™	Automotive, AEC-Q101, OptiMOS™
Supplier Device Package	PG-TO252-3-11	PG-TO252-3-313	PG-TO252-3-11	PG-TO252-3-313
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	70A (Tc)	70A (Tc)	70A (Tc)	73A (Tc)
FET Feature	-	-	-	-
Base Product Number	IPD70	IPD70	IPD70	IPD70
Vgs(th) (Max) @ Id	2.4V @ 83µA	2.2V @ 120µA	2.2V @ 30µA	4V @ 120µA
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
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	11.5mOhm @ 70A, 10V	7.8mOhm @ 70A, 10V	4.3mOhm @ 70A, 10V	8.9mOhm @ 70A, 10V
Gate Charge (Qg) (Max) @ Vgs	77 nC @ 10 V	92 nC @ 10 V	48 nC @ 10 V	70 nC @ 10 V
Drain to Source Voltage (Vdss)	100 V	40 V	30 V	40 V
Power Dissipation (Max)	125W (Tc)	75W (Tc)	68W (Tc)	75W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	5550 pF @ 25 V	5430 pF @ 25 V	3300 pF @ 25 V	4810 pF @ 25 V
FET Type	N-Channel	P-Channel	N-Channel	P-Channel

IPD70N10S3L12ATMA1 Datasheet PDF

Download IPD70N10S3L12ATMA1 pdf datasheets and Infineon Technologies documentation for IPD70N10S3L12ATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf



















PCN Packaging

Cover Tape Width Update 17/Jun/2015.pdf

Cover Tape Width Cancellation 14/Jul/2015.pdf

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Recommended Products

					
					
IPD70P04P4-09 MOS Cypress Semiconductor (Infineon Technologies)	IPD70N12S3L-12 INENOI	IPD70P04P4L08ATMA2 Infineon Technologies MOSFET P-CH 40V 70A TO252-3	IPD70N03S4L04XT Cypress Semiconductor (Infineon Technologies)	IPD70N10S3-12 QN1012 Cypress Semiconductor (Infineon Technologies)	IPD70N04S4-06 4N0406 Cypress Semiconductor (Infineon Technologies)
IPD70N03S4L04ATMA1 Infineon Technologies MOSFET N-CH 30V 70A TO252-3	IPD70N10S3L-12 MOS Cypress Semiconductor (Infineon Technologies)	IPD70N03S4L-04G Cypress Semiconductor (Infineon Technologies)	IPD70P04P409ATMA Cypress Semiconductor (Infineon Technologies)	IPD70N10S3-12 MOS Cypress Semiconductor (Infineon Technologies)	IPD70P04P4-09 Cypress Semiconductor (Infineon Technologies)
					
IPD70P04P409ATMA1 Infineon Technologies MOSFET P-CH 40V 73A TO252-3	IPD70N12S3-11 Infineon Technologies N-CHANNEL POWER MOSFET	IPD70P04P4L-08 Cypress Semiconductor (Infineon Technologies)	IPD70N10S3L-12 Cypress Semiconductor (Infineon Technologies)	IPD70N10S3-12 Cypress Semiconductor (Infineon Technologies)	IPD70N04S3-07 Infineon Technologies MOSFET N-CH 40V 82A 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.



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-  Cost-Saving Procurement
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Contact us if you have any questions.

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