



IPD80N04S3-06

Manufacturer Part Number	IPD80N04S3-06
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD80N04S3-06
ECAD Model	PCB Footprint and Symbol
Parts Description	OPTLMOS N-CHANNEL POWER MOSFET
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD80N04S3-06.pdf
RoHs Status	ROHS3 Compliant



[Get a Quote](#)

IPD80N04S3-06 - Infineon Technologies. New Original in Stock. Download Linear Technology IPD80N04S3-06 datasheet/specifications on AllelcoElec.com.

Request a quote for IPD80N04S3-06, please send us email: info@allelco.com

Specifications

IPD80N04S3-06 Tech Specifications

IPD80N04S3-06 - 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	4V @ 52µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	47 nC @ 10 V
Supplier Device Package	PG-TO252-3-11	FET Type	N-Channel
Series	OptiMOS®	FET Feature	-
Rds On (Max) @ Id, Vgs	5.2mOhm @ 80A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	100W (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	90A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD80N04S3-06

Product Attribute	NO PICTURE			
Part Number	IPD80N04S3-06	IPD80N06S3-09	IPD78CN10NG	IPD75N04S406ATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Drain to Source Voltage (Vdss)	40 V	55 V	100 V	40 V
Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 25 V	6100 pF @ 25 V	716 pF @ 50 V	2550 pF @ 25 V
Power Dissipation (Max)	100W (Tc)	107W (Tc)	31W (Tc)	58W (Tc)
Package	Bulk	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Supplier Device Package	PG-TO252-3-11	PG-TO252-3-11	PG-TO252-3-313	PG-TO252-3-313
Gate Charge (Qg) (Max) @ Vgs	47 nC @ 10 V	88 nC @ 10 V	11 nC @ 10 V	32 nC @ 10 V
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	5.2mOhm @ 80A, 10V	8.4mOhm @ 40A, 10V	78mOhm @ 13A, 10V	5.9mOhm @ 75A, 10V
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
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
Vgs(th) (Max) @ Id	4V @ 52µA	4V @ 55µA	4V @ 12µA	4V @ 26µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	90A (Tc)	80A (Tc)	13A (Tc)	75A (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	OptiMOS®	OptiMOS™	OptiMOS™ 2	Automotive, AEC-Q101, OptiMOS™

Customers Also Interested in

Recommended Products



IPD80N04S3-06 MOS

Cypress Semiconductor (Infineon Technologies)



IPD80N04S3-06 QN0406

Cypress Semiconductor (Infineon Technologies)



IPD78CN10NG 78CN10N

Cypress Semiconductor (Infineon Technologies)



IPD800N06N

Cypress Semiconductor (Infineon Technologies)



IPD78CN10N







Cypress Semiconductor (Infineon Technologies)



IPD78CN10NG MOS

Cypress Semiconductor (Infineon Technologies)



IPD80N06S3-09	IPD78CN10NG	IPD80P03P4L-07 MOS	IPD70N10S3L-12	IPD75N04S406ATMA1	IPD80P03P4L-07
Infineon Technologies MOSFET N-CH 55V 80A TO252-3	Infineon Technologies POWER FIELD-EFFECT TRANSISTOR, 1	Cypress Semiconductor (Infineon Technologies)	AMI Semiconductor/onsemi	Infineon Technologies MOSFET N-CH 40V 75A TO252-3	Cypress Semiconductor (Infineon Technologies)
	 NO PICTURE				
IPD80N04S306ATMA1 Infineon Technologies MOSFET N-CH 40V 90A TO252-3	IPD80CN10NG INENOI	IPD800N06NG MOS Cypress Semiconductor (Infineon Technologies)	IPD80N04S3-06B Cypress Semiconductor (Infineon Technologies)	IPD80R1K0CE Cypress Semiconductor (Infineon Technologies)	IPD800N06NG 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 -

 Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone
+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



[View More](#)