

Image may be representation.
See specifications for product details.



IPP086N10N3GXKSA1

Manufacturer Part Number	IPP086N10N3GXKSA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPP086N10N3GXKSA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 100V 80A TO220-3
Package	TO-220-3
Data sheet	IPP086N10N3GXKSA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPP086N10N3GXKSA1 - Infineon Technologies.New Original in Stock. Download Linear Technology IPP086N10N3GXKSA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPP086N10N3GXKSA1, please send us email: info@allelco.com

Specifications

IPP086N10N3GXKSA1 Tech Specifications
IPP086N10N3GXKSA1 - 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	3.5V @ 75µA	Mounting Type	Through Hole
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3980 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	55 nC @ 10 V
Supplier Device Package	PG-TO220-3	FET Type	N-Channel
Series	OptiMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	8.6mOhm @ 73A, 10V	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Power Dissipation (Max)	125W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Package	Tube	Base Product Number	IPP086

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPP086N10N3GXKSA1

Product Attribute				
Part Number	IPP086N10N3GXKSA1	IPP082N10NF2SAKMA1	IPP086N10N3	IPP083N10N5AKSA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V	6V, 10V	6V, 10V	6V, 10V
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	80A (Tc)	15A (Ta), 77A (Tc)	80A (Tc)	73A (Tc)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	8.6mOhm @ 73A, 10V	8.2mOhm @ 50A, 10V	8.6mOhm @ 73A, 10V	8.3mOhm @ 73A, 10V
Drain to Source Voltage (Vdss)	100 V	100 V	100 V	100 V
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Vgs(th) (Max) @ Id	3.5V @ 75µA	3.8V @ 46µA	3.5V @ 75µA	3.8V @ 49µA
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Gate Charge (Qg) (Max) @ Vgs	55 nC @ 10 V	42 nC @ 10 V	55 nC @ 10 V	37 nC @ 10 V
Base Product Number	IPP086	IPP082N	-	IPP083
Power Dissipation (Max)	125W (Tc)	3.8W (Ta), 100W (Tc)	125W (Tc)	100W (Tc)
Package	Tube	Tube	Bulk	Tube
Input Capacitance (Ciss) (Max) @ Vds	3980 pF @ 50 V	2000 pF @ 50 V	3980 pF @ 50 V	2730 pF @ 50 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Series	OptiMOS™	StrongIRFET™ 2	OptiMOS™	OptiMOS™
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	PG-TO220-3	PG-TO220-3	PG-TO220-3-1	PG-TO220-3

IPP086N10N3GXKSA1 Datasheet PDF

Download IPP086N10N3GXKSA1 pdf datasheets and Infineon Technologies documentation for IPP086N10N3GXKSA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf





















PCN Obsolescence/ EOL

Mult Dev EOL 20/Oct/2015.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
IPP082N10NF2SAKMA1 Infineon Technologies TRENCH >=100V	IPP084N06L3 G MOS Cypress Semiconductor (Infineon Technologies)	IPP083N10N5 Cypress Semiconductor (Infineon Technologies)	IPP08CN10N MOS Cypress Semiconductor (Infineon Technologies)	IPP08CN10L INF	IPP08CN10NG INF
					
IPP086N10N3 Infineon Technologies N-CHANNEL POWER MOSFET	 IPP083N10N5AKSA1 Infineon Technologies MOSFET N-CH 100V 73A TO220-3	IPP08CN10LG Cypress Semiconductor (Infineon Technologies) IGBT Module	IPP08CN10N Cypress Semiconductor (Infineon Technologies)	IPP091N06NG Cypress Semiconductor (Infineon Technologies)	IPP086N10N3G Infineon Technologies POWER FIELD-EFFECT TRANSISTOR, 8
					
IPP093N06N3G Cypress Semiconductor (Infineon Technologies) IGBT Module	IPP086N10NG Cypress Semiconductor (Infineon Technologies)	IPP085N06LG Cypress Semiconductor (Infineon Technologies) IGBT Module	 IPP084N06L3GXKSA1 Infineon Technologies MOSFET N-CH 60V 50A TO220-3	IPP084N06L3G Cypress Semiconductor (Infineon Technologies) IGBT Module	IPP086N10N 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

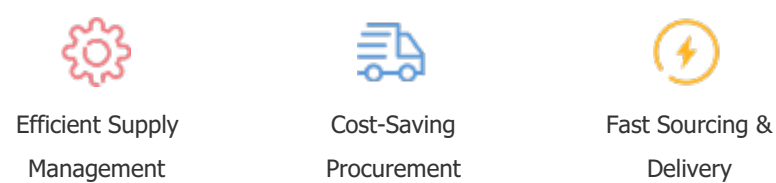
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

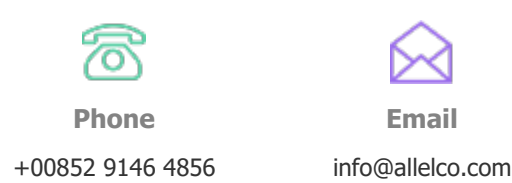
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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