



Image may be representation.
See specifications for product details.



IPD80R280P7ATMA1

Manufacturer Part Number	IPD80R280P7ATMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD80R280P7ATMA1
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 800V 17A TO252
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD80R280P7ATMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPD80R280P7ATMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IPD80R280P7ATMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPD80R280P7ATMA1, please send us email: info@allelco.com

Specifications

IPD80R280P7ATMA1 Tech Specifications
IPD80R280P7ATMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3.5V @ 360µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1200 pF @ 500 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	36 nC @ 10 V
Supplier Device Package	PG-TO252-3	FET Type	N-Channel
Series	CoolMOS™	FET Feature	-
Rds On (Max) @ Id, Vgs	280mOhm @ 7.2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	101W (Tc)	Drain to Source Voltage (Vdss)	800 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD80R

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD80R280P7ATMA1

Product Attribute				
Part Number	IPD80R280P7ATMA1	IPD80R1K2P7ATMA1	IPD80R2K8CEBTMA1	IPD80R1K4CEATMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Current - Continuous Drain (Id) @ 25°C	17A (Tc)	4.5A (Tc)	1.9A (Tc)	3.9A (Tc)
Gate Charge (Qg) (Max) @ Vgs	36 nC @ 10 V	11 nC @ 10 V	12 nC @ 10 V	23 nC @ 10 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	1200 pF @ 500 V	300 pF @ 500 V	290 pF @ 100 V	570 pF @ 100 V
Vgs(th) (Max) @ Id	3.5V @ 360µA	3.5V @ 80µA	3.9V @ 120µA	3.9V @ 240µA
Rds On (Max) @ Id, Vgs	280mOhm @ 7.2A, 10V	1.20hm @ 1.7A, 10V	2.80hm @ 1.1A, 10V	1.40hm @ 2.3A, 10V
Supplier Device Package	PG-TO252-3	PG-TO252-3	PG-TO252-3-11	PG-TO252-3
Power Dissipation (Max)	101W (Tc)	37W (Tc)	42W (Tc)	63W (Tc)
Base Product Number	IPD80R	IPD80R1	IPD80R	IPD80R1
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	800 V	800 V	800 V	800 V
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 ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Series	CoolMOS™	CoolMOS™ P7	CoolMOS™	CoolMOS™
Vgs (Max)	±20V	±20V	±20V	±20V

IPD80R280P7ATMA1 Datasheet PDF

Download IPD80R280P7ATMA1 pdf datasheets and Infineon Technologies documentation for IPD80R280P7ATMA1 - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf



















PCN Packaging

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

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 IPD80P03P4L-07 MOS Cypress Semiconductor (Infineon Technologies)	 IPD80R1K2P7ATMA1 Infineon Technologies MOSFET N-CH 800V 4.5A TO252-3	 IPD80R280P7 Cypress Semiconductor (Infineon Technologies)	 IPD80R1K4P7 Infineon Technologies 800V, 1.4OHM, N-CHANNEL MOSFET,	 IPD80R2K8CE Cypress Semiconductor (Infineon Technologies)	 IPD80R1K2P7 INF
 IPD80R2K4P7 Cypress Semiconductor (Infineon Technologies)	 IPD80R2K0P7 Cypress Semiconductor (Infineon Technologies)	 IPD80R2K8CEBTMA1 Infineon Technologies MOSFET N-CH 800V 1.9A TO252-3	 IPD80R1K0CE Cypress Semiconductor (Infineon Technologies)	 IPD80R1K4CEATMA1 Infineon Technologies MOSFET N-CH 800V 3.9A TO252-3	 IPD80R360P7ATMA1 Infineon Technologies MOSFET N-CH 800V 13A TO252-3
 IPD80R1K4CE Cypress Semiconductor (Infineon Technologies)	 IPD80R2K7C3AATMA1 Infineon Technologies MOSFET N-CH TO252-3	 IPD80R3K3P7ATMA1 Infineon Technologies MOSFET N-CH 800V 1.9A TO252-3	 IPD80R2k7C3A Cypress Semiconductor (Infineon Technologies)	 IPD80R1K0CE 8R1K0CE Cypress Semiconductor (Infineon Technologies)	 IPD80R360P7 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 Alleco 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

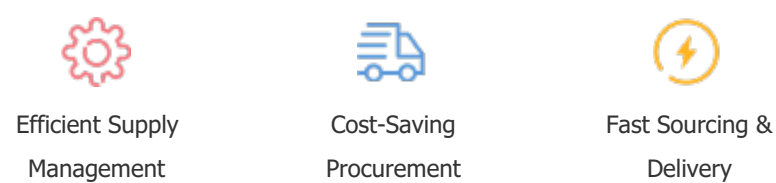
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

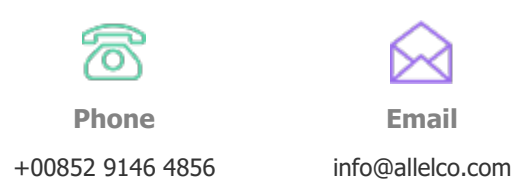
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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