



Image may be representation.
See specifications for product details.



IPD50R500CEAUMA1

Manufacturer Part Number	IPD50R500CEAUMA1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IPD50R500CEAUMA1
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 500V 7.6A TO252
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	IPD50R500CEAUMA1.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IPD50R500CEAUMA1 - Infineon Technologies. New Original in Stock. Download Linear Technology IPD50R500CEAUMA1 datasheet/specifications on AllelcoElec.com. Request a quote for IPD50R500CEAUMA1, please send us email: info@allelco.com

Specifications

IPD50R500CEAUMA1 Tech Specifications
IPD50R500CEAUMA1 - 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 @ 200µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	433 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	18.7 nC @ 10 V
Supplier Device Package	PG-TO252-3	FET Type	N-Channel
Series	CoolMOS™ CE	FET Feature	-
Rds On (Max) @ Id, Vgs	500mOhm @ 2.3A, 13V	Drive Voltage (Max Rds On, Min Rds On)	13V
Power Dissipation (Max)	57W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	7.6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	IPD50R500

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IPD50R500CEAUMA1

Product Attribute				
Part Number	IPD50R500CEAUMA1	IPD50R3K0CEAUMA1	IPD50R520CPATMA1	IPD50R2K0CEAUMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	13V	13V	10V	13V
Current - Continuous Drain (Id) @ 25°C	7.6A (Tc)	1.7A (Tc)	7.1A (Tc)	2.4A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Supplier Device Package	PG-TO252-3	PG-TO252-3	PG-TO252-3-313	PG-TO252-3
Power Dissipation (Max)	57W (Tc)	26W (Tc)	66W (Tc)	33W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	CoolMOS™ CE	CoolMOS™ CE	CoolMOS™ CP	CoolMOS™ CE
Vgs(th) (Max) @ Id	3.5V @ 200µA	3.5V @ 30µA	3.5V @ 250µA	3.5V @ 50µA
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	433 pF @ 100 V	84 pF @ 100 V	680 pF @ 100 V	124 pF @ 100 V
Drain to Source Voltage (Vdss)	500 V	500 V	500 V	500 V
Rds On (Max) @ Id, Vgs	500mOhm @ 2.3A, 13V	30hm @ 400mA, 13V	520mOhm @ 3.8A, 10V	20hm @ 600mA, 13V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	IPD50R500	IPD50R3	IPD50R520	IPD50R2
Gate Charge (Qg) (Max) @ Vgs	18.7 nC @ 10 V	4.3 nC @ 10 V	17 nC @ 10 V	6 nC @ 10 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

IPD50R500CEAUMA1 Datasheet PDF

Download IPD50R500CEAUMA1 pdf datasheets and Infineon Technologies documentation for IPD50R500CEAUMA1 - Infineon Technologies.

Other Related Documents



















Part Number Guide.pdf

PCN Assembly/Origin

Mult Dev Site Chgs 13/Oct/2020.pdf

Customers Also Interested in

Recommended Products

 IPD50R520CP 5R520P Cypress Semiconductor (Infineon Technologies)	 IPD50R3K0CEAUMA1 Infineon Technologies MOSFET N-CH 500V 1.7A TO252-3	 IPD50R399CP MOS Cypress Semiconductor (Infineon Technologies)	 IPD50R380CE Cypress Semiconductor (Infineon Technologies)	 IPD50R520CPATMA1 Infineon Technologies LOW POWER_LEGACY	 IPD5N25S3-430 Cypress Semiconductor (Infineon Technologies)
 IPD50R2K0CEAUMA1 Infineon Technologies MOSFET N-CH 500V 2.4A TO252-3	 IPD50R520CP Infineon Technologies MOSFET N-CH 500V 7.1A TO252-3	 IPD50R399CP Infineon Technologies MOSFET N-CH 500V 9A TO252-3	 IPD50R800CE Infineon Technologies IPD50R800 - 500V COOLMOS N-CHANN	 IPD50R3K0CE Cypress Semiconductor (Infineon Technologies)	 IPD50R950CEAUMA1 Infineon Technologies CONSUMER
 IPD50R380CF INF	 IPD50R950CE Cypress Semiconductor (Infineon Technologies)	 IPD50R399CPATMA1 Infineon Technologies LOW POWER_LEGACY	 IPD50R399CP 5R399P Cypress Semiconductor (Infineon Technologies)	 IPD530N15N3G Cypress Semiconductor (Infineon Technologies) IGBT Module	 IPD50R500CE Infineon Technologies IPD50R500 - 500V COOLMOS N-CHANN

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



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