



Image may be representation.
See specifications for product details.



AUIRFS8409-7P

Manufacturer Part Number	AUIRFS8409-7P
Manufacturer	Infineon Technologies
Allelco Part Number	32D-AUIRFS8409-7P
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 523A D2PAK
Package	TO-263-7, D²Pak (6 Leads + Tab)
Data sheet	AUIRFS8409-7P.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AUIRFS8409-7P - Infineon Technologies.New Original in Stock. Download Linear Technology AUIRFS8409-7P datasheet/specifications on AllelcoElec.com.
Request a quote for AUIRFS8409-7P, please send us email: info@allelco.com

Specifications

AUIRFS8409-7P Tech Specifications
AUIRFS8409-7P - 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	3.9V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	13975 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	460 nC @ 10 V
Supplier Device Package	PG-TO263-7	FET Type	N-Channel
Series	Automotive, AEC-Q101, HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	0.69mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	375W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	523A (Tc)
Package	Tube	Base Product Number	AUIRFS8409

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies AUIRFS8409-7P

Product Attribute				
Part Number	AUIRFS8409-7P	AUIRFL3206	AUIRFU4104	AUIRFL8405
Manufacturer	Infineon Technologies	International Rectifier	International Rectifier	International Rectifier
Rds On (Max) @ Id, Vgs	0.69mOhm @ 100A, 10V	3mOhm @ 75A, 10V	5.5mOhm @ 42A, 10V	2.3mOhm @ 100A, 10V
Series	Automotive, AEC-Q101, HEXFET®	HEXFET®	Automotive, AEC-Q101, HEXFET®	HEXFET®
Base Product Number	AUIRFS8409	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	-	-	10V
Package	Tube	Bulk	Bulk	Bulk
Vgs(th) (Max) @ Id	3.9V @ 250µA	4V @ 150µA	4V @ 250µA	3.9V @ 100µA
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	TO-262-3 Long Leads, I ² Pak, TO-262AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-262-3 Long Leads, I ² Pak, TO-262AA
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	523A (Tc)	120A (Tc)	42A (Tc)	120A (Tc)
Power Dissipation (Max)	375W (Tc)	300W (Tc)	140W (Tc)	163W (Tc)
Drain to Source Voltage (Vdss)	40 V	60 V	40 V	40 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	13975 pF @ 25 V	6540 pF @ 50 V	2950 pF @ 25 V	5193 pF @ 25 V
Gate Charge (Qg) (Max) @ Vgs	460 nC @ 10 V	170 nC @ 10 V	89 nC @ 10 V	161 nC @ 10 V
Supplier Device Package	PG-TO263-7	TO-262	PG-TO-251-3-21	TO-262
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
Mounting Type	Surface Mount	Through Hole	Through Hole	Through Hole
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

AUIRFS8409-7P Datasheet PDF

Download AUIRFS8409-7P pdf datasheets and Infineon Technologies documentation for AUIRFS8409-7P - Infineon Technologies.

Other Related Documents

Part Number Guide.pdf

PCN Design/Specification



















Mult Dev Label Chgs 8/Sep/2021.pdf

PCN Packaging

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

					
AUIRFSL3206 International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRFS8408-7PTRRPBF IR	AUIRFU4104 International Rectifier MOSFET N-CH 40V 42A TO251-3-21	AUIRFSL8405 International Rectifier MOSFET N-CH 40V 120A TO262	AUIRFU4292 International Rectifier MOSFET_(120V,300V)	AUIRFS8407TRL Infineon Technologies MOSFET N-CH 40V 195A D2PAK
					
AUIRFS8407-7TRL Infineon Technologies MOSFET N-CH 40V 240A D2PAK	AUIRFSL4310 International Rectifier AUTOMOTIVE POWER MOSFET	AUIRFSL8403 International Rectifier MOSFET N-CH 40V 123A TO262	AUIRFS8409-7TRL Infineon Technologies MOSFET N-CH 40V 240A D2PAK	AUIRFS8409 Infineon Technologies AUIRFS8409 - 20V-40V N-CHANNEL A	AUIRFS8408-7P International Rectifier MOSFET N-CH 40V 195A D2PAK
					
AUIRFSL8408 International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRFU120Z IR	AUIRFS8409-7P Infineon Technologies MOSFET N-CH 40V 240A D2PAK	AUIRFS8408 International Rectifier AUTOMOTIVE HEXFET N CHANNEL	AUIRFSL8407 Infineon Technologies MOSFET N-CH 40V 195A TO262	AUIRFS8409TRL Infineon Technologies MOSFET N-CH 40V 195A D2PAK

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
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info@allelco.com

Certifications & Memberships



View More

Contact us

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