



# AUIRF7759L2TR

Manufacturer Part Number	<b>AUIRF7759L2TR</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-AUIRF7759L2TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 75V 375A DIRECTFET
Package	DirectFET™ Isometric L8
Data sheet	AUIRF7759L2TR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AUIRF7759L2TR - Infineon Technologies. New Original in Stock. Download Linear Technology AUIRF7759L2TR datasheet/specifications on AllelcoElec.com.  
Request a quote for AUIRF7759L2TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

AUIRF7759L2TR Tech Specifications  
AUIRF7759L2TR - 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 @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	12222 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	300 nC @ 10 V
Supplier Device Package	DirectFET™ Isometric L8	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.3mOhm @ 96A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.3W (Ta), 125W (Tc)	Drain to Source Voltage (Vdss)	75 V
Package / Case	DirectFET™ Isometric L8	Current - Continuous Drain (Id) @ 25°C	375A (Tc)
Package	Tape & Reel (TR)	Base Product Number	AUIRF7759

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies AUIRF7759L2TR

Product Attribute	NO PICTURE			
Part Number	AUIRF7759L2TR	AUIRF7665S2TR	AUIRF9Z34N	AUIRF7737L2TR
Manufacturer	Infineon Technologies	International Rectifier	International Rectifier	Infineon Technologies
Rds On (Max) @ Id, Vgs	2.3mOhm @ 96A, 10V	62mOhm @ 8.9A, 10V	100mOhm @ 10A, 10V	1.9mOhm @ 94A, 10V
Input Capacitance (Ciss) (Max) @ Vds	12222 pF @ 25 V	515 pF @ 25 V	620 pF @ 25 V	5469 pF @ 25 V
Series	HEXFET®	HEXFET®	Automotive, AEC-Q101, HEXFET®	HEXFET®
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 25µA	4V @ 250µA	4V @ 150µA
Base Product Number	AUIRF7759	AUIRF7665	-	AUIRF7737
Vgs (Max)	±20V	±20V	±20V	±20V
FET Type	N-Channel	N-Channel	P-Channel	N-Channel
Supplier Device Package	DirectFET™ Isometric L8	DIRECTFET SB	TO-220AB	DIRECTFET L6
Gate Charge (Qg) (Max) @ Vgs	300 nC @ 10 V	13 nC @ 10 V	35 nC @ 10 V	134 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Drain to Source Voltage (Vdss)	75 V	100 V	55 V	40 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Power Dissipation (Max)	3.3W (Ta), 125W (Tc)	2.4W (Ta), 30W (Tc)	68W (Tc)	3.3W (Ta), 83W (Tc)
Current - Continuous Drain (Id) @ 25°C	375A (Tc)	4.1A (Ta), 14.4A (Tc)	19A (Tc)	31A (Ta), 156A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	DirectFET™ Isometric L8	DirectFET™ Isometric SB	TO-220-3	DirectFET™ Isometric L6
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount

## AUIRF7759L2TR Datasheet PDF

Download AUIRF7759L2TR pdf datasheets and Infineon Technologies documentation for AUIRF7759L2TR - Infineon Technologies.

### Other Related Documents

Part Number Guide.pdf

### PCN Design/Specification



















Mult Dev Label Chgs 8/Sep/2021.pdf

### PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <b>AUIRF8409TRL</b> IR	 <b>AUIRF7665S2TR</b> International Rectifier AUTOMOTIVE DIRECTFET N CHANNEL	 <b>AUIRF9234N</b> International Rectifier AUTOMOTIVE HEXFET P CHANNEL	 <b>AUIRF7737L2TR</b> Infineon Technologies MOSFET N-CH 40V 31A DIRECTFET	 <b>AUIRF7732S2TR</b> Infineon Technologies MOSFET N-CH 40V 14A DIRECTFET SC	 <b>AUIRF7484QTR</b> International Rectifier AUTOMOTIVE N CHANNEL
 <b>AUIRF9952QTR.</b> IR	 <b>AUIRF8739L2TR</b> Infineon Technologies MOSFET N-CH 40V 57A DIRECTFET	 <b>AUIRF7769L2TR</b> Infineon Technologies MOSFET N-CH 100V 375A DIRECTFET	 <b>AUIRF7738L2TR</b> International Rectifier MOSFET N-CH 40V 35A/130A DIRECT	 <b>AUIRF7484Q MOS</b> IR	 <b>AUIRF9952Q</b> Infineon Technologies MOSFET N/P-CH 30V 3.5A/2.3A 8SO
 <b>AUIRF8736</b> NA	 <b>AUIRF7736M2TR</b> Infineon Technologies MOSFET N-CH 40V 22A DIRECTFET	 <b>AUIRF9952QTRPBF</b> VBSEMI	 <b>AUIRF9540N</b> International Rectifier AUTOMOTIVE POWER MOSFET	 <b>AUIRF7675M2TR</b> Infineon Technologies MOSFET N-CH 150V 4.4A DIRECTFET	 <b>AUIRF7749L2TR</b> Infineon Technologies MOSFET N-CH 60V 36A DIRECTFET

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

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