



FDMC8327L

Manufacturer Part Number	FDMC8327L
Manufacturer	onsemi
Allelco Part Number	32D-FDMC8327L
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 12A/14A 8MLP
Package	8-PowerWDFN
Data sheet	FDMC8327L.pdf
RoHs Status	ROHS3 Compliant



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FDMC8327L - onsemi.New Original in Stock. Download Linear Technology FDMC8327L datasheet/specifications on AllelcoElec.com.
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Specifications

FDMC8327L Tech Specifications

FDMC8327L - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1850 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	26 nC @ 10 V
Supplier Device Package	8-MLP (3.3x3.3)	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	9.7mOhm @ 12A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.3W (Ta), 30W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	12A (Ta), 14A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDMC8327

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDMC8327L

Product Attribute	NO PICTURE			
Part Number	FDMC8327L	FDMC8296	FDMC8554	FDMC8360LET40
Manufacturer	onsemi	Fairchild Semiconductor	onsemi	onsemi
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Base Product Number	FDMC8327	-	FDMC85	FDMC8360
Supplier Device Package	8-MLP (3.3x3.3)	8-MLP (3.3x3.3)	8-MLP (3.3x3.3)	Power33
Rds On (Max) @ Id, Vgs	9.7mOhm @ 12A, 10V	8mOhm @ 12A, 10V	5mOhm @ 16.5A, 10V	2.1mOhm @ 27A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	26 nC @ 10 V	23 nC @ 10 V	62 nC @ 10 V	80 nC @ 10 V
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package / Case	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 14A (Tc)	12A (Ta), 18A (Tc)	16.5A (Tc)	27A (Ta), 141A (Tc)
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
Drain to Source Voltage (Vdss)	40 V	30 V	20 V	40 V
Input Capacitance (Ciss) (Max) @ Vds	1850 pF @ 20 V	1385 pF @ 15 V	3380 pF @ 10 V	5300 pF @ 20 V
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	3V @ 250µA	3V @ 250µA
Power Dissipation (Max)	2.3W (Ta), 30W (Tc)	2.3W (Ta), 27W (Tc)	2W (Ta), 41W (Tc)	2.8W (Ta), 75W (Tc)

FDMC8327L Datasheet PDF

Download FDMC8327L pdf datasheets and onsemi documentation for FDMC8327L - onsemi.

Datasheets

[FDMC8327L.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

PCN Packaging



















Mult Devices 24/Oct/2017.pdf

PCN Assembly/Origin

Capacity Expansion 12/Aug/2020.pdf

Customers Also Interested in

Recommended Products

 <p>FDMC8296 Fairchild Semiconductor MOSFET N-CH 30V 12A/18A 8MLP</p>	 <p>FDMC8321L MOS Fairchild (onsemi)</p>	 <p>FDMC8554 onsemi MOSFET N-CH 20V 16.5A 8MLP</p>	 <p>FDMC8298 onsemi MOSFET 2N-CH 8MLP</p>	 <p>FDMC8360LET40 onsemi MOSFET N-CH 40V 27A/141A POWER33</p>	 <p>FDMC8321LDC onsemi MOSFET N-CH 40V 27A DLCOOL33</p>
 <p>FDMC8462 onsemi MOSFET N-CH 40V 14A/20A POWER33</p>	 <p>FDMC8200S onsemi MOSFET 2N-CH 30V 6A/8.5A 8MLP</p>	 <p>FDMC8298 Fairchild Semiconductor N-CHANNEL POWER TRENCH MOSFET</p>	 <p>FDMC8327L MOS Fairchild (onsemi)</p>	 <p>FDMC8321L onsemi MOSFET N-CH 40V 22A/49A POWER33</p>	 <p>FDMC8327L Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1</p>
 <p>FDMC8588 onsemi MOSFET N-CH 25V 16.5A/40A PWR33</p>	 <p>FDMC8296 onsemi MOSFET N-CH 30V 12A/18A 8MLP</p>	 <p>FDMC8296 MOS Fairchild (onsemi)</p>	 <p>FDMC8554 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1</p>	 <p>FDMC8360L onsemi MOSFET N-CH 40V 27A/80A POWER33</p>	 <p>FDMC8588 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1</p>

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.



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