

Image may be representation.
See specifications for product details.



FQA90N08

Manufacturer Part Number	FQA90N08
Manufacturer	onsemi
Allelco Part Number	32D-FQA90N08
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 80V 90A TO3PN
Package	TO-3P-3, SC-65-3
Data sheet	FQA90N08.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FQA90N08 - onsemi.New Original in Stock. Download Linear Technology FQA90N08 datasheet/specifications on AllelcoElec.com.
Request a quote for FQA90N08, please send us email: info@allelco.com

Specifications

FQA90N08 Tech Specifications

FQA90N08 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	110 nC @ 10 V
Supplier Device Package	TO-3PN	FET Type	N-Channel
Series	QFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	16mOhm @ 45A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	214W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	TO-3P-3, SC-65-3	Current - Continuous Drain (Id) @ 25°C	90A (Tc)
Package	Tube	Base Product Number	FQA90

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FQA90N08

Product Attribute				
Part Number	FQA90N08	FQA8N100C	FQA9N50	FQA8N80
Manufacturer	onsemi	onsemi	Fairchild Semiconductor	Fairchild Semiconductor
FET Feature	-	-	-	-
Series	QFET®	QFET®	QFET®	QFET®
Base Product Number	FQA90	FQA8	-	-
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 250µA	5V @ 250µA	5V @ 250µA
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tube	Tube	Tube	Bulk
Vgs (Max)	±25V	±30V	±30V	±30V
Gate Charge (Qg) (Max) @ Vgs	110 nC @ 10 V	70 nC @ 10 V	36 nC @ 10 V	57 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Power Dissipation (Max)	214W (Tc)	225W (Tc)	160W (Tc)	220W (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	90A (Tc)	8A (Tc)	9.6A (Tc)	8.4A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	16mOhm @ 45A, 10V	1.450hm @ 4A, 10V	730mOhm @ 4.8A, 10V	1.20hm @ 4.2A, 10V
Input Capacitance (Ciss) (Max) @ Vds	3250 pF @ 25 V	3220 pF @ 25 V	1450 pF @ 25 V	2350 pF @ 25 V
Supplier Device Package	TO-3PN	TO-3PN	TO-3P	TO-3P
Package / Case	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3
Drain to Source Voltage (Vdss)	80 V	1000 V	500 V	800 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

FQA90N08 Datasheet PDF

Download FQA90N08 pdf datasheets and onsemi documentation for FQA90N08 - onsemi.

Datasheets

[FQA90N08.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

Logo 17/Aug/2017.pdf

Dimension/Color Change 24/Feb/2021.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf















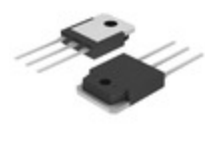

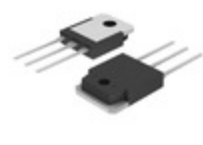

Packing quantity increase 28/Dec/2020.pdf

PCN Assembly/Origin

Mult Dev Site Add 14/Oct/2020.pdf

Customers Also Interested in

Recommended Products

 FAQ8N100C onsemi MOSFET N-CH 1000V 8A TO3PN	 FAQ9N50 Fairchild Semiconductor MOSFET N-CH 500V 9.6A TO3P	 FAQ8N80 Fairchild Semiconductor N-CHANNEL POWER MOSFET	 FAQ8N80C onsemi MOSFET N-CH 800V 8.4A TO3P	 FAQ7N80C onsemi MOSFET N-CH 800V 7A TO3P	 FAQ90N10V2 onsemi MOSFET N-CH 100V 105A TO3P
 FAQ90N08 MOS Fairchild (onsemi)	 FAQ9N50 onsemi MOSFET N-CH 500V 9.6A TO3P	 FAQ85N06 onsemi MOSFET N-CH 60V 100A TO3P	 FAQ7N80C Fairchild Semiconductor MOSFET N-CH 800V 7A TO3P	 FAQ8N90C onsemi MOSFET N-CH 900V 8A TO3P	 FAQ8N100C MOS Fairchild (onsemi)
 FAQ90N15 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR,	 FAQ8N90C Fairchild Semiconductor MOSFET N-CH 900V 8A TO3P	 FAQ7N90M onsemi MOSFET N-CH 900V 7A TO3P	 FAQ90N08 Fairchild Semiconductor FAQ90N08 - POWER MOSFET, N-CHANN	 FAQ90N15 onsemi MOSFET N-CH 150V 90A TO3PN	 FAQ90N10V2 Fairchild Semiconductor MOSFET N-CH 100V 105A TO3P

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

