



FQP5N80

Manufacturer Part Number	FQP5N80
Manufacturer	Fairchild (onsemi)
Allelco Part Number	32D-FQP5N80
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 800V 4.8A TO220-3
Package	TO-220-3
Data sheet	FQP5N80.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

FQP5N80 - Fairchild Semiconductor. New Original in Stock. Download Linear Technology FQP5N80 datasheet/specifications on AllelcoElec.com.
Request a quote for FQP5N80, please send us email: info@allelco.com

Specifications

FQP5N80 Tech Specifications

FQP5N80 - Fairchild Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Fairchild (onsemi)	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1250 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	33 nC @ 10 V
Supplier Device Package	TO-220-3	FET Type	N-Channel
Series	QFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.6Ohm @ 2.4A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	140W (Tc)	Drain to Source Voltage (Vdss)	800 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	4.8A (Tc)
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Fairchild Semiconductor FQP5N80

Product Attribute	NO PICTURE			
Part Number	FQP5N80	FQP5N50C	FQP5N90	FQP5N60C
Manufacturer	Fairchild Semiconductor	Fairchild Semiconductor	onsemi	Fairchild Semiconductor
Current - Continuous Drain (Id) @ 25°C	4.8A (Tc)	5A (Tc)	5.4A (Tc)	4.5A (Tc)
Package	Tube	Tube	Tube	Bulk
Vgs (Max)	±30V	±30V	±30V	±30V
Power Dissipation (Max)	140W (Tc)	73W (Tc)	158W (Tc)	100W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	2.6Ohm @ 2.4A, 10V	1.40hm @ 2.5A, 10V	2.30hm @ 2.7A, 10V	2.50hm @ 2.25A, 10V
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	5V @ 250µA	4V @ 250µA
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Supplier Device Package	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Series	QFET®	QFET®	QFET®	QFET®
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Input Capacitance (Ciss) (Max) @ Vds	1250 pF @ 25 V	625 pF @ 25 V	1550 pF @ 25 V	670 pF @ 25 V
Gate Charge (Qg) (Max) @ Vgs	33 nC @ 10 V	24 nC @ 10 V	40 nC @ 10 V	19 nC @ 10 V
Drain to Source Voltage (Vdss)	800 V	500 V	900 V	600 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

Customers Also Interested in

Recommended Products



FQP5N50C

Fairchild Semiconductor
MOSFET N-CH 500V 5A TO220-3

FQP5N90

onsemi
MOSFET N-CH 900V 5.4A TO220-3

FQP5N60C

Fairchild Semiconductor
POWER FIELD-EFFECT TRANSISTOR,
4

FQP5N30

Fairchild Semiconductor
MOSFET N-CH 300V 5.4A TO220-3

FQP5P20 MOS

Fairchild (onsemi)

FQP5P20

Fairchild Semiconductor
MOSFET P-CH 200V 4.8A TO220-3



NO PICTURE

FQP5N40Fairchild Semiconductor
MOSFET N-CH 400V 4.5A TO220-3**FQP5P20**onsemi
MOSFET P-CH 200V 4.8A TO220-3**FQP60N06**

Fairchild (onsemi)

**FQP5N60C MOS**

Fairchild (onsemi)

FQP60N10

KERSEMI

**FQP5P10 MOS**

Fairchild (onsemi)

FQP5P10onsemi
MOSFET P-CH 100V 4.5A TO220-3**FQP5N30**onsemi
MOSFET N-CH 300V 5.4A TO220-3**FQP5N50C**onsemi
MOSFET N-CH 500V 5A TO220-3**FQP5N40**onsemi
MOSFET N-CH 400V 4.5A TO220-3**FQP5N60C**onsemi
MOSFET N-CH 600V 4.5A TO220-3**FQP5N80**onsemi
MOSFET N-CH 800V 4.8A TO220-3

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

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Email

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Certifications & Memberships



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