



# FQPF34N20

Manufacturer Part Number	<b>FQPF34N20</b>
Manufacturer	<b>Fairchild (onsemi)</b>
Allelco Part Number	32D-FQPF34N20
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 200V 17.5A TO220F
Package	TO-220-3 Full Pack
Data sheet	FQPF34N20.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FQPF34N20 - Fairchild Semiconductor. New Original in Stock. Download Linear Technology FQPF34N20 datasheet/specifications on AllelcoElec.com.  
Request a quote for FQPF34N20, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

FQPF34N20 Tech Specifications  
FQPF34N20 - 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	3100 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	78 nC @ 10 V
Supplier Device Package	TO-220F-3	FET Type	N-Channel
Series	QFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	75mOhm @ 8.75A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	55W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	17.5A (Tc)
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Fairchild Semiconductor FQPF34N20

Product Attribute	NO PICTURE			
Part Number	FQPF34N20	FQPF3N50C	FQPF33N10	FQPF3N50C
Manufacturer	Fairchild Semiconductor	onsemi	onsemi	Fairchild Semiconductor
Input Capacitance (Ciss) (Max) @ Vds	3100 pF @ 25 V	365 pF @ 25 V	1500 pF @ 25 V	365 pF @ 25 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Gate Charge (Qg) (Max) @ Vgs	78 nC @ 10 V	13 nC @ 10 V	51 nC @ 10 V	13 nC @ 10 V
Current - Continuous Drain (Id) @ 25°C	17.5A (Tc)	3A (Tc)	18A (Tc)	3A (Tc)
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Supplier Device Package	TO-220F-3	TO-220F-3	TO-220F-3	TO-220F-3
Power Dissipation (Max)	55W (Tc)	25W (Tc)	41W (Tc)	25W (Tc)
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	200 V	500 V	100 V	500 V
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	75mOhm @ 8.75A, 10V	2.5Ohm @ 1.5A, 10V	52mOhm @ 9A, 10V	2.5Ohm @ 1.5A, 10V
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Vgs (Max)	±30V	±30V	±25V	±30V
Series	QFET®	QFET®	QFET®	QFET®

## Customers Also Interested in

### Recommended Products



**FQPF3N50C**

onsemi  
MOSFET N-CH 500V 3A TO220F



**FQPF33N10**

onsemi  
MOSFET N-CH 100V 18A TO220F



**FQPF3N50C**

Fairchild Semiconductor  
MOSFET N-CH 500V 3A TO220F



**FQPF32N12VR**

Fairchild (onsemi)



**FQPF34N20L**

onsemi  
MOSFET N-CH 200V 17.5A TO220F



**FQPF33N10L MOS**

Fairchild (onsemi)



**FQPF34N20L**Fairchild Semiconductor  
MOSFET N-CH 200V 17.5A TO220F**FQPF32N12V2**onsemi  
MOSFET N-CH 120V 32A TO220F**FQPF32N20C**onsemi  
MOSFET N-CH 200V 28A TO220F**FQPF33N10L**onsemi  
MOSFET N-CH 100V 18A TO220F**FQPF33N10**Fairchild Semiconductor  
MOSFET N-CH 100V 18A TO220F**FQPF34N20**onsemi  
MOSFET N-CH 200V 17.5A TO220F**FQPF32N12V2**Fairchild Semiconductor  
MOSFET N-CH 120V 32A TO220F**FQPF3N40**Fairchild Semiconductor  
MOSFET N-CH 400V 1.6A TO220F**FQPF3N25**Fairchild Semiconductor  
MOSFET N-CH 250V 2.3A TO220F**FQPF33N10 MOS**

Fairchild (onsemi)

**FQPF3N40**onsemi  
MOSFET N-CH 400V 1.6A TO220F**FQPF3N25**onsemi  
MOSFET N-CH 250V 2.3A TO220F

## 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.



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+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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