Get a Quote



FQB5N90TM

Data sheet

Manufacturer Part Number FQB5N90TM

Manufacturer **onsemi**

Allelco Part Number 32D-FQB5N90TM

ECAD Model

PCB Symbol, Footprint
& 3D Mode

Parts Description MOSFET N-CH 900V 5.4A D2PAK

Package TO-263-3, D²Pak (2 Leads + Tab), TO-263AB

FQB5N90.pdf

RoHs Status ROHS3 Compliant

FQB5N90TM - onsemi.New Original in Stock. Download Linear Technology FQB5N90TM datasheet/specifications on AllelcoElec.com.

Request a quote for FQB5N90TM, please send us email: info@allelco.com

Image may be representation.

See specifications for product details.



Specifications

FQB5N90TM Tech Specifications

FQB5N90TM - 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	5V @ 250μA	Mounting Type	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1550 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V
Supplier Device Package	D ² PAK (TO-263)	FET Type	N-Channel
Series	QFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.30hm @ 2.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.13W (Ta), 158W (Tc)	Drain to Source Voltage (Vdss)	900 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	5.4A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FQB5N90

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FQB5N90TM

The tillee parts on the right have similar spi	22.13011			
Product Attribute				
Part Number	FQB5N90TM	FQB5P10TM	FQB5N50TM	FQB5P20TM
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Vgs (Max)	±30V	±30V	±30V	±30V
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Supplier Device Package	D ² PAK (TO-263)			
Rds On (Max) @ Id, Vgs	2.30hm @ 2.7A, 10V	1.05Ohm @ 2.25A, 10V	1.80hm @ 2.25A, 10V	1.40hm @ 2.4A, 10V
Base Product Number	FQB5N90	FQB5	FQB5	FQB5
Series	QFET®	QFET®	QFET®	QFET®
Package	Tape & Reel (TR)			
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	900 V	100 V	500 V	200 V
Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V	8.2 nC @ 10 V	17 nC @ 10 V	13 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	1550 pF @ 25 V	250 pF @ 25 V	610 pF @ 25 V	430 pF @ 25 V
Vgs(th) (Max) @ Id	5V @ 250μA	4V @ 250μA	5V @ 250μA	5V @ 250μA
FET Type	N-Channel	P-Channel	N-Channel	P-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	5.4A (Tc)	4.5A (Tc)	4.5A (Tc)	4.8A (Tc)
Power Dissipation (Max)	3.13W (Ta), 158W (Tc)	3.75W (Ta), 40W (Tc)	3.13W (Ta), 85W (Tc)	3.13W (Ta), 75W (Tc)

▼ FQB5N90TM Datasheet PDF

Download FQB5N90TM pdf datasheets and onsemi documentation for FQB5N90TM - onsemi.

Datasheets



FQB5N90.pdf

Environmental Information



onsemi RoHS.pdf



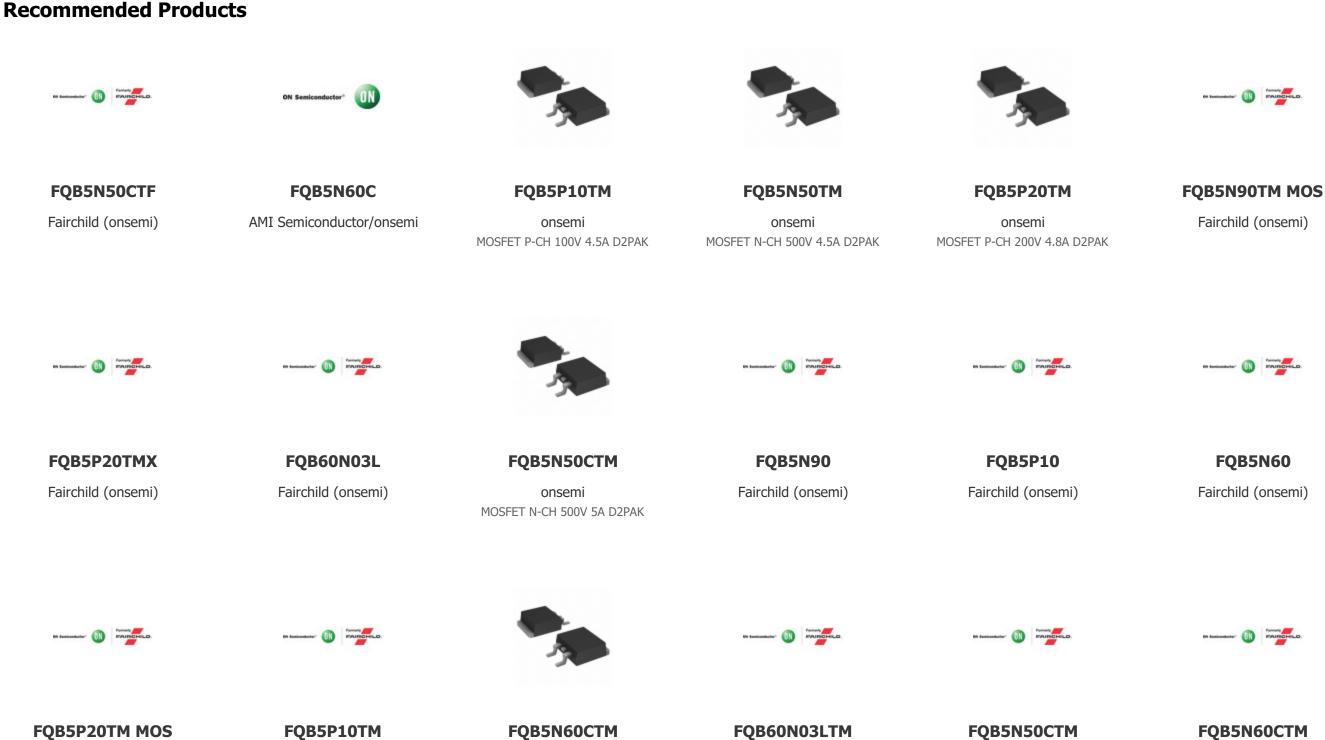
PCN Packaging



PCN Assembly/Origin



Customers Also Interested in



Mult Dev Box Chgs 1/Jul/2021.pdf

Shipment

Fairchild (onsemi)

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.

onsemi

MOSFET N-CH 600V 4.5A D2PAK

Fairchild (onsemi)

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.)

Fairchild Semiconductor

MOSFET P-CH 100V 4.5A D2PAK

- **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		
America	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Oceania	New Zealand	7		
Asia	India	6		
Mold	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			

Fairchild Semiconductor

POWER FIELD-EFFECT TRANSISTOR,

Fairchild Semiconductor

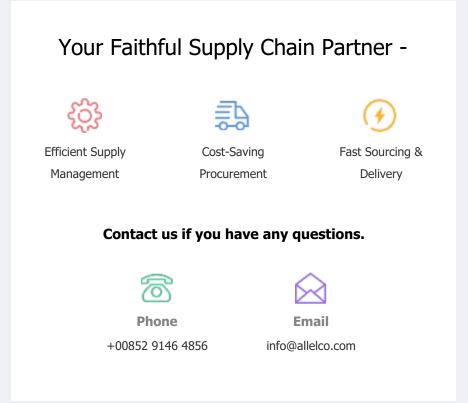
4.5A, 600V, 20HM, N CHANNEL, D2

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.

VISA

PayPal

Payment Support The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.







EASTWEST BANK

