



FDB110N15A

Manufacturer Part Number	FDB110N15A
Manufacturer	Fairchild (onsemi)
Allelco Part Number	32D-FDB110N15A
ECAD Model	PCB Footprint and Symbol
Parts Description	POWER FIELD-EFFECT TRANSISTOR, 9
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	FDB110N15A.pdf



Get a Quote

FDB110N15A - Fairchild Semiconductor. New Original in Stock. Download Linear Technology FDB110N15A datasheet/specifications on AllelcoElec.com.
Request a quote for FDB110N15A, please send us email: info@allelco.com

Specifications

FDB110N15A Tech Specifications

FDB110N15A - Fairchild Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Fairchild (onsemi)	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	4510 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	61 nC @ 10 V
Supplier Device Package	D ² PAK (TO-263)	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	11mOhm @ 92A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	234W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	92A (Tc)
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Fairchild Semiconductor FDB110N15A

Product Attribute				
Part Number	FDB110N15A	FDB12N50TM	FDB082N15A	FDB120N10
Manufacturer	Fairchild Semiconductor	Fairchild Semiconductor	onsemi	Fairchild Semiconductor
Gate Charge (Qg) (Max) @ Vgs	61 nC @ 10 V	30 nC @ 10 V	84 nC @ 10 V	86 nC @ 10 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
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
Current - Continuous Drain (Id) @ 25°C	92A (Tc)	11.5A (Tc)	117A (Tc)	74A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	11mOhm @ 92A, 10V	650mOhm @ 6A, 10V	8.2mOhm @ 75A, 10V	12mOhm @ 74A, 10V
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 250µA	4V @ 250µA	4.5V @ 250µA
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	150 V	500 V	150 V	100 V
Vgs (Max)	±20V	±30V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	4510 pF @ 75 V	1315 pF @ 25 V	6040 pF @ 25 V	5605 pF @ 25 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package	Bulk	Bulk	Tape & Reel (TR)	Bulk
Series	PowerTrench®	UniFET™	PowerTrench®	PowerTrench®
Power Dissipation (Max)	234W (Tc)	165W (Tc)	294W (Tc)	170W (Tc)
Supplier Device Package	D ² PAK (TO-263)	D2PAK (TO-263)	D ² PAK (TO-263)	D2PAK (TO-263)

Customers Also Interested in

Recommended Products

FDB12N50T

Fairchild (onsemi)

FDB12N50TM

Fairchild Semiconductor
POWER FIELD-EFFECT TRANSISTOR,
1

FDB082N15A

onsemi
MOSFET N-CH 150V 117A D2PAK

FDB120N10

Fairchild Semiconductor
POWER FIELD-EFFECT TRANSISTOR,
7

FDB12N50TM MOS

Fairchild (onsemi)

FDB088N08

Fairchild Semiconductor
POWER FIELD-EFFECT TRANSISTOR,
8



FDB12N50

Fairchild (onsemi)

**FDB120N10**onsemi
MOSFET N-CH 100V 74A D2PAK**FDB12N50TM**onsemi
MOSFET N-CH 500V 11.5A D2PAK**FDB082N15ATM**

Fairchild (onsemi)

**FDB10AN06A0**onsemi
MOSFET N-CH 60V 12A/75A
TO263AB**FDB082N15A MOS**

Fairchild (onsemi)

**FDB12N50F**

Fairchild (onsemi)

FDB110N15Aonsemi
MOSFET N-CH 150V 92A D2PAK**FDB120N10 MOS**

AMI Semiconductor/onsemi

FDB088N08onsemi
MOSFET N-CH 75V 120A D2PAK**FDB12N50FTM**Fairchild Semiconductor
MOSFET N-CH 500V 11.5A D2PAK**FDB10AN06A0**

Fairchild (onsemi)

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



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ALLELCO LIMITED
WWW.ALLELCOELEC.COM

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

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