



Image may be representation.  
See specifications for product details.



## FDD4141

Manufacturer Part Number	<b>FDD4141</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDD4141
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET P-CH 40V 10.8A/50A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<b>FDD4141.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

FDD4141 - onsemi.New Original in Stock. Download Linear Technology FDD4141 datasheet/specifications on AllelcoElec.com.  
Request a quote for FDD4141, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

FDD4141 Tech Specifications  
FDD4141 - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2775 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V
Supplier Device Package	TO-252AA	FET Type	P-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	12.3mOhm @ 12.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.4W (Ta), 69W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	10.8A (Ta), 50A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDD414

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDD4141

Product Attribute				
Part Number	FDD4141	FDD390N15ALZ	FDD4243	FDD4141-F085
Manufacturer	onsemi	onsemi	Fairchild Semiconductor	onsemi
Base Product Number	FDD414	FDD390	-	FDD4141
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Current - Continuous Drain (Id) @ 25°C	10.8A (Ta), 50A (Tc)	26A (Tc)	6.7A (Ta), 14A (Tc)	10.8A (Ta), 50A (Tc)
Series	PowerTrench®	PowerTrench®	PowerTrench®	Automotive, AEC-Q101, PowerTrench®
Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V	39 nC @ 10 V	29 nC @ 10 V	50 nC @ 10 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	40 V	150 V	40 V	40 V
Supplier Device Package	TO-252AA	TO-252AA	TO-252, (D-Pak)	TO-252AA
Rds On (Max) @ Id, Vgs	12.3mOhm @ 12.7A, 10V	42mOhm @ 26A, 10V	44mOhm @ 6.7A, 10V	12.3mOhm @ 12.7A, 10V
Input Capacitance (Ciss) (Max) @ Vds	2775 pF @ 20 V	1760 pF @ 75 V	1550 pF @ 20 V	2775 pF @ 20 V
Power Dissipation (Max)	2.4W (Ta), 69W (Tc)	63W (Tc)	42W (Tc)	2.4W (Ta), 69W (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	3V @ 250µA	2.8V @ 250µA	3V @ 250µA	3V @ 250µA
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	P-Channel	N-Channel	P-Channel	P-Channel
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V

### FDD4141 Datasheet PDF

Download FDD4141 pdf datasheets and onsemi documentation for FDD4141 - onsemi.

#### Datasheets

FDD4141.pdf

#### Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

#### PCN Design/Specification

Logo 17/Aug/2017.pdf

Description Chg 01/Apr/2016.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf

Dpak Pkg 01/Apr/2008.pdf

PCN Obsolescence/ EOL

Mult Dev EOL 14/Jan/2022.pdf

Mult Dev EOL 24/Dec/2021.pdf

PCN Assembly/Origin

Wafer Location 30/May/2023.pdf

Customers Also Interested in

Recommended Products

 <b>FDD390N15ALZTM</b> Fairchild (onsemi)	 <b>FDD390N15ALZ</b> onsemi MOSFET N-CH 150V 26A DPAK	 <b>FDD4243</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 6	 <b>FDD4141-F085</b> onsemi MOSFET P-CH 40V 10.8A/50A DPAK	 <b>FDD3N40TM</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 2	 <b>FDD3N50</b> Fairchild (onsemi)
 <b>FDD4141 MOS</b> Fairchild (onsemi)	 <b>FDD3N40</b> Fairchild (onsemi)	 <b>FDD4141</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 5	 <b>FDD4243</b> onsemi MOSFET P-CH 40V 6.7A/14A DPAK	 <b>FDD3N50NZTM</b> onsemi MOSFET N-CH 500V 2.5A DPAK	 <b>FDD3N50NZTM</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 2
 <b>FDD4141_F085</b> Fairchild (onsemi)	 <b>FDD3N40TM</b> onsemi MOSFET N-CH 400V 2A DPAK	 <b>FDD4243 MOS</b> AMI Semiconductor/onsemi	 <b>FDD4141TN</b> Fairchild (onsemi)	 <b>FDD3N50NZ</b> Fairchild (onsemi)	 <b>FDD45AN06LA0</b> onsemi MOSFET N-CH 60V 5.2A/25A TO252AA

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
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Certifications & Memberships



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