



Image may be representation.
See specifications for product details.



FDD8424H

Manufacturer Part Number	FDD8424H
Manufacturer	onsemi
Allelco Part Number	32D-FDD8424H
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N/P-CH 40V 9A/6.5A DPAK
Package	TO-252-5, DPak (4 Leads + Tab), TO-252AD
Data sheet	FDD8424H.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDD8424H - onsemi.New Original in Stock. Download Linear Technology FDD8424H datasheet/specifications on AllelcoElec.com.
Request a quote for FDD8424H, please send us email: info@allelco.com

Specifications

FDD8424H Tech Specifications
FDD8424H - 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
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	1000pF @ 20V
Supplier Device Package	TO-252 (DPAK)	Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V
Series	PowerTrench®	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	24mOhm @ 9A, 10V	Drain to Source Voltage (Vdss)	40V
Power - Max	1.3W	Current - Continuous Drain (Id) @ 25°C	9A, 6.5A
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	Configuration	N and P-Channel
Package	Tape & Reel (TR)	Base Product Number	FDD8424

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDD8424H

Product Attribute				
Part Number	FDD8424H	FDD8424H_F085	FDD8444 MOS	FDD7N25LZTM
Manufacturer	onsemi	onsemi	Fairchild (onsemi)	Fairchild Semiconductor
Configuration	N and P-Channel	N and P-Channel	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tape & Reel (TR)	-	Bulk
Supplier Device Package	TO-252 (DPAK)	TO-252 (DPAK)	-	TO-252, (D-Pak)
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	TO-252-5, DPak (4 Leads + Tab), TO-252AD	-	TO-252-3, DPak (2 Leads + Tab), SC-63
Rds On (Max) @ Id, Vgs	24mOhm @ 9A, 10V	24mOhm @ 9A, 10V	-	550mOhm @ 3.1A, 10V
FET Feature	Logic Level Gate	Logic Level Gate	-	-
Base Product Number	FDD8424	FDD8424	-	-
Drain to Source Voltage (Vdss)	40V	40V	-	250 V
Series	PowerTrench®	PowerTrench®	-	UniFET™
Input Capacitance (Ciss) (Max) @ Vds	1000pF @ 20V	1000pF @ 20V	-	635 pF @ 25 V
Gate Charge (Qg) (Max) @ Vgs	20nC @ 10V	20nC @ 10V	-	16 nC @ 10 V
Power - Max	1.3W	1.3W	-	-
Current - Continuous Drain (Id) @ 25°C	9A, 6.5A	9A, 6.5A	-	6.2A (Tc)
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	-	2V @ 250µA

FDD8424H Datasheet PDF

Download FDD8424H pdf datasheets and onsemi documentation for FDD8424H - onsemi.

Datasheets

[FDD8424H.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Design/Specification

[Logo 17/Aug/2017.pdf](#)

[Description Chg 01/Apr/2016.pdf](#)

PCN Packaging

[PCN Packaging 01/Apr/2016.pdf](#)

[PCN Packaging 01/Apr/2016.pdf](#)

PCN Assembly/Origin

Assembly Change 28/May/2023.pdf

Customers Also Interested in

Recommended Products

FDD8444 MOS Fairchild (onsemi)	FDD7N25LZTM Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 6	FDD8426 VBSEMI	FDD8444L onsemi MOSFET N-CH 40V 16A/50A TO252AA	FDD8426H-F085A Fairchild (onsemi)	FDD8424H_F085 onsemi MOSFET N/P-CH 40V 9A/6.5A DPAK
FDD7N60NZTM onsemi MOSFET N-CH 600V 5.5A DPAK	FDD8444L Fairchild Semiconductor MOSFET N-CH 40V 16A/50A TO252AA	FDD8444 onsemi MOSFET N-CH 40V 145A TO252AA	FDD7N25LZTM MOS Fairchild (onsemi)	FDD7N20TM MOS Fairchild (onsemi)	FDD7N60NZTM Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 5
FDD7N25LZTM onsemi MOSFET N-CH 250V 6.2A DPAK	FDD7N25LZ Fairchild (onsemi)	FDD7N60NZ Fairchild (onsemi)	FDD7N20TM onsemi MOSFET N-CH 200V 5A D-PAK	FDD8442 Fairchild (onsemi)	FDD8444L MOS 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
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Contact us if you have any questions.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



View More

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