

Image may be representation.
See specifications for product details.

FDS6690A

Manufacturer Part Number	FDS6690A
Manufacturer	onsemi
Allelco Part Number	32D-FDS6690A
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 11A 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	FDS6690A.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



FDS6690A - onsemi.New Original in Stock. Download Linear Technology FDS6690A datasheet/specifications on AllelcoElec.com.
Request a quote for FDS6690A, please send us email: info@allelco.com

Specifications

FDS6690A Tech Specifications

FDS6690A - 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	1205 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	16 nC @ 5 V
Supplier Device Package	8-SOIC	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	12.5mOhm @ 11A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	2.5W (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	11A (Ta)
Package	Tape & Reel (TR)	Base Product Number	FDS6690

Parts with Similar Specifications

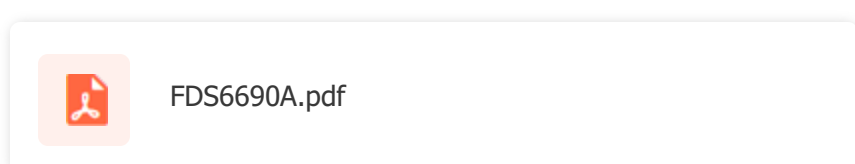
The three parts on the right have similar specifications to onsemi FDS6690A

Product Attribute				
Part Number	FDS6690A	FDS6689S	FDS6690AS	FDS6688S
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	16 nC @ 5 V	78 nC @ 10 V	23 nC @ 10 V	78 nC @ 10 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Current - Continuous Drain (Id) @ 25°C	11A (Ta)	16A (Ta)	10A (Ta)	16A (Ta)
Vgs (Max)	±20V	±20V	±20V	±20V
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Input Capacitance (Ciss) (Max) @ Vds	1205 pF @ 15 V	3290 pF @ 15 V	910 pF @ 15 V	3290 pF @ 15 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 1mA	3V @ 1mA	3V @ 1mA
Power Dissipation (Max)	2.5W (Ta)	2.5W (Ta)	2.5W (Ta)	2.5W (Ta)
Series	PowerTrench®	-	PowerTrench®, SyncFET™	PowerTrench®
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	12.5mOhm @ 11A, 10V	5.4mOhm @ 16A, 10V	12mOhm @ 10A, 10V	6mOhm @ 16A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	FDS6690	FDS66	FDS6690	FDS66
FET Feature	-	-	-	-

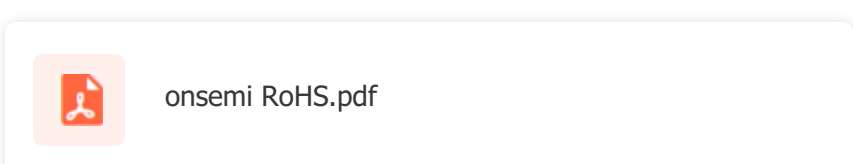
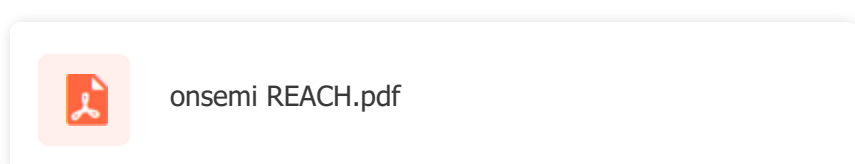
FDS6690A Datasheet PDF

Download FDS6690A pdf datasheets and onsemi documentation for FDS6690A - onsemi.

Datasheets



Environmental Information



PCN Design/Specification

Logo 17/Aug/2017.pdf

Mold Compound 12/Dec/2007.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf

Mult MSL1 Pkg Chg 20/Dec/2018.pdf

PCN Assembly/Origin

FDSYYY 18/Jun/2018.pdf

Customers Also Interested in

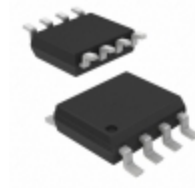
Recommended Products



FDS6689S
onsemi
MOSFET N-CH 30V 16A 8SOIC



FDS6690AS
onsemi
MOSFET N-CH 30V 10A 8SOIC



FDS6688S
onsemi
MOSFET N-CH 30V 16A 8SOIC



FDS6688S-NL
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FDS6689S-NL
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FDS6689S
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MOSFET N-CH 30V 16A 8SOIC



FDS6690AS
Fairchild Semiconductor
SMALL SIGNAL FIELD-EFFECT TRANSI



FDS6690
Fairchild Semiconductor
SMALL SIGNAL N-CHANNEL MOSFET



FDS6688S_NL
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FDS6690A-NL
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FDS6690ANL
Fairchild (onsemi)



FDS6690AS MOS
Fairchild (onsemi)



FDS6688_NL
Fairchild (onsemi)



FDS6690A-NL
VBSEMI



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FDS6690A_NL
Fairchild (onsemi)



FDS6688S
Fairchild Semiconductor
MOSFET N-CH 30V 16A 8SOIC



FDS6690A 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.



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- Fast Sourcing & Delivery

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- Email: info@allelco.com

Certifications & Memberships



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