

Image may be representation.
See specifications for product details.



FDN5618P

Manufacturer Part Number	FDN5618P
Manufacturer	onsemi
Allelco Part Number	32D-FDN5618P
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET P-CH 60V 1.25A SUPERSOT3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	FDN5618P.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDN5618P - onsemi.New Original in Stock. Download Linear Technology FDN5618P datasheet/specifications on AllelcoElec.com.
Request a quote for FDN5618P, please send us email: info@allelco.com

Specifications

FDN5618P Tech Specifications

FDN5618P - 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	430 pF @ 30 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	13.8 nC @ 10 V
Supplier Device Package	SOT-23-3	FET Type	P-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	170mOhm @ 1.25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	500mW (Ta)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	1.25A (Ta)
Package	Tape & Reel (TR)	Base Product Number	FDN5618

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDN5618P

Product Attribute				
Part Number	FDN5618P	FDN372S	FDN5630	FDN537N
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs (Max)	±20V	±16V	±20V	±20V
Supplier Device Package	SOT-23-3	SOT-23-3	SOT-23-3	SOT-23-3
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	1.25A (Ta)	2.6A (Ta)	1.7A (Ta)	6.5A (Ta), 6.5A (Tc)
Base Product Number	FDN5618	FDN372	FDN563	FDN537
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	6V, 10V	4.5V, 10V
FET Type	P-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	13.8 nC @ 10 V	8.1 nC @ 5 V	10 nC @ 10 V	8.4 nC @ 10 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drain to Source Voltage (Vdss)	60 V	30 V	60 V	30 V
Rds On (Max) @ Id, Vgs	170mOhm @ 1.25A, 10V	40mOhm @ 2.6A, 10V	100mOhm @ 1.7A, 10V	23mOhm @ 6.5A, 10V
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 1mA	3V @ 250µA	3V @ 250µA
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Input Capacitance (Ciss) (Max) @ Vds	430 pF @ 30 V	630 pF @ 15 V	400 pF @ 15 V	465 pF @ 15 V
Power Dissipation (Max)	500mW (Ta)	500mW (Ta)	500mW (Ta)	1.5W (Ta)

FDN5618P Datasheet PDF

Download FDN5618P pdf datasheets and onsemi documentation for FDN5618P - onsemi.

Datasheets

[FDN5618P.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Packaging

Mult Devices 24/Oct/2017.pdf

Binary Year Code Marking 15/Jan/2014.pdf

PCN Design/Specification

Marking Lay-out Implementation 07/Oct/2022.pdf

Marking Lay-out Implementation 15/Nov/2021.pdf

PCN Obsolescence/ EOL

Mult Dev EOL 24/Dec/2021.pdf





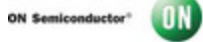
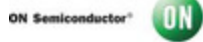












Mult Dev Retraction 14/Jan/2022.pdf

PCN Assembly/Origin

SSOT3 Assembly/Test Chg 7/Jul/2020.pdf

Customers Also Interested in

Recommended Products

 FDN5330SX Fairchild (onsemi)	 FDN5630-NL Fairchild (onsemi)	 FDN5618P-SB4N007P Fairchild (onsemi)	 FDN5618P MOS Fairchild (onsemi)	 FDN537N-NL AMI Semiconductor/onsemi	 FDN371N-NL AMI Semiconductor/onsemi
 FDN372S-NL Fairchild (onsemi)	 FDN5618P-NL AMI Semiconductor/onsemi	 FDN372S onsemi MOSFET N-CH 30V 2.6A SUPERSOT3	 FDN5630 onsemi MOSFET N-CH 60V 1.7A SUPERSOT3	 FDN537N onsemi MOSFET N-CH 30V 6.5A SUPERSOT3	 FDN537N MOS Fairchild (onsemi)
 FDN372S Fairchild Semiconductor MOSFET N-CH 30V 2.6A SUPERSOT3	 FDN372S MOS Fairchild (onsemi)	 FDN5630_NL MSV	 FDN5630N Fairchild (onsemi)	 FDN5630 MOS AMI Semiconductor/onsemi	 FDN537/AGSA AOS

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 Alleco 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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-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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