



Image may be representation.  
See specifications for product details.



## FFD08S60S-F085

Manufacturer Part Number	<b>FFD08S60S-F085</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FFD08S60S-F085
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE GEN PURP 600V 8A TO252AA
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<a href="#">FFD08S60S_F085.pdf</a>
RoHs Status	ROHS3 Compliant

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FFD08S60S-F085 - onsemi.New Original in Stock. Download Linear Technology FFD08S60S-F085 datasheet/specifications on AllelcoElec.com.  
Request a quote for FFD08S60S-F085, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

FFD08S60S-F085 Tech Specifications

FFD08S60S-F085 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - Forward (Vf) (Max) @ If	2.6 V @ 8 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	-65°C ~ 150°C
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	TO-252AA	Current - Reverse Leakage @ Vr	100 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	Automotive, AEC-Q101, STEALTH™ II	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	30 ns	Base Product Number	FFD08S60

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FFD08S60S-F085

Product Attribute				
Part Number	FFD08S60S-F085	1N5819RL	V10P6-M3/86A	LL4148
Manufacturer	onsemi	STMicroelectronics	Vishay General Semiconductor - Diodes Division	SMC Diode Solutions
Capacitance @ Vr, F	-	-	-	4pF @ 0V, 1MHz
Reverse Recovery Time (trr)	30 ns	-	-	4 ns
Series	Automotive, AEC-Q101, STEALTH™ II	-	eSMP®, TMBS®	-
Technology	Standard	Schottky	Schottky	Standard
Base Product Number	FFD08S60	1N5819	V10P6	-
Voltage - DC Reverse (Vr) (Max)	600 V	40 V	60 V	75 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	DO-204AL, DO-41, Axial	TO-277, 3-PowerDFN	DO-213AA
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Voltage - Forward (Vf) (Max) @ If	2.6 V @ 8 A	550 mV @ 1 A	590 mV @ 10 A	1 V @ 10 mA
Operating Temperature - Junction	-65°C ~ 150°C	150°C (Max)	-40°C ~ 150°C	-65°C ~ 175°C
Supplier Device Package	TO-252AA	DO-41	TO-277A (SMPC)	Mini MELF/DL-35
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Average Rectified (Io)	8A	1A	4.3A	300mA
Current - Reverse Leakage @ Vr	100 µA @ 600 V	500 µA @ 40 V	1.9 mA @ 60 V	5 µA @ 75 V
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount

### FFD08S60S-F085 Datasheet PDF

Download FFD08S60S-F085 pdf datasheets and onsemi documentation for FFD08S60S-F085 - onsemi.

#### Datasheets

[FFD08S60S\\_F085.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](#)

[Tape and Box/Reel Barcode Update 07/Aug/2014.pdf](#)

#### PCN Part Number

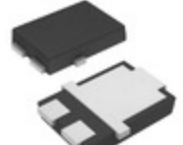















[Mult Device Part Number Chg 30/May/2017.pdf](#)

## PCN Obsolescence/ EOL

 Obsolete Notice 15/Dec/2022.pdf

## Customers Also Interested in

### Recommended Products

 <b>1N5819RL</b> STMicroelectronics DIODE SCHOTTKY 40V 1A DO41	 <b>V10P6-M3/86A</b> Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 60V 4.3A TO277A	 <b>LL4148</b> SMC Diode Solutions DIODE GP 75V 300MA MINI MELF	 <b>FFD04H60S</b> Fairchild Semiconductor DIODE GEN PURP 600V 4A TO252	 <b>FFD08S60S</b> Fairchild Semiconductor 600V, 8A, 2.1V, DPAK STEALTH II	 <b>FFD10UP20S</b> onsemi DIODE GEN PURP 200V 10A TO252AA
 <b>FFD06UP20S MOS</b> Fairchild (onsemi)	 <b>APD240VRTR-G1</b> Diodes Incorporated DIODE SCHOTTKY 40V 2A DO214AC	 <b>FFD04H60S</b> onsemi DIODE GEN PURP 600V 4A TO252AA	 <b>FFD20UP20S</b> onsemi DIODE GEN PURP 200V 20A TO252AA	 <b>BAS70KFILM</b> STMicroelectronics DIODE SCHOTTKY 70V 70MA SOD523	 <b>BAT54GWJ</b> Nexperia USA Inc. DIODE SCHOTTKY 30V 200MA SOD123
 <b>STPS0540Z</b> STMicroelectronics DIODE SCHOTTKY 40V 500MA SOD123	 <b>MBRS360T3G</b> onsemi DIODE SCHOTTKY 60V 3A SMC	 <b>FFD06UP20S</b> onsemi DIODE GEN PURP 200V 6A TO252AA	 <b>CGRKM4003-HF</b> Comchip Technology DIODE GEN PURP 200V 1A SOD123F	 <b>FFD08S60S-F085</b> Fairchild Semiconductor DIODE GEN PURP 600V 8A TO252	 <b>NTE5912</b> NTE Electronics, Inc DIODE GEN PURP 50V 20A DO4

## 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

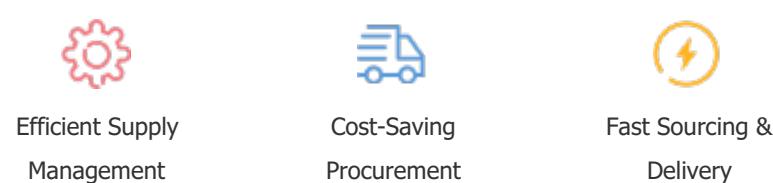
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

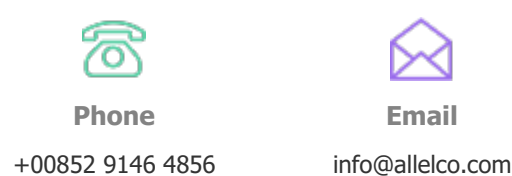
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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