



Image may be representation.
See specifications for product details.



FERD20U50DJF-TR

Manufacturer Part Number	FERD20U50DJF-TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-FERD20U50DJF-TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE FERD 50V 20A POWERFLAT
Package	8-PowerVDFN
Data sheet	FERD20U50.pdf
RoHs Status	ROHS3 Compliant

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FERD20U50DJF-TR - STMicroelectronics. New Original in Stock. Download Linear Technology FERD20U50DJF-TR datasheet/specifications on AllelcoElec.com.
Request a quote for FERD20U50DJF-TR, please send us email: info@allelco.com

Specifications

FERD20U50DJF-TR Tech Specifications
FERD20U50DJF-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	510 mV @ 20 A	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	50 V	Mounting Type	Surface Mount
Technology	FERD (Field Effect Rectifier Diode)	Current - Reverse Leakage @ Vr	800 µA @ 50 V
Supplier Device Package	PowerFlat™ (5x6)	Current - Average Rectified (Io)	20A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	FERD20
Package / Case	8-PowerVDFN		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics FERD20U50DJF-TR

Product Attribute				
Part Number	FERD20U50DJF-TR	FERD2045SB-TR	FERD20H100SB-TR	FERD20U60DJFD-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Capacitance @ Vr, F	-	-	-	-
Technology	FERD (Field Effect Rectifier Diode)	FERD (Field Effect Rectifier Diode)	FERD (Field Effect Rectifier Diode)	FERD (Field Effect Rectifier Diode)
Current - Average Rectified (Io)	20A	20A	20A	20A
Supplier Device Package	PowerFlat™ (5x6)	DPAK	DPAK	PowerFlat™ (5x6)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - DC Reverse (Vr) (Max)	50 V	45 V	100 V	60 V
Current - Reverse Leakage @ Vr	800 µA @ 50 V	600 µA @ 45 V	140 µA @ 100 V	800 µA @ 60 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-PowerVDFN	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	8-PowerVDFN
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Standard Recovery >500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Voltage - Forward (Vf) (Max) @ If	510 mV @ 20 A	550 mV @ 20 A	705 mV @ 20 A	510 mV @ 20 A
Operating Temperature - Junction	150°C (Max)	-40°C ~ 150°C	175°C (Max)	150°C (Max)
Series	-	ECOPACK@2	-	-
Base Product Number	FERD20	FERD2045	FERD20	FERD20

FERD20U50DJF-TR Datasheet PDF

Download FERD20U50DJF-TR pdf datasheets and STMicroelectronics documentation for FERD20U50DJF-TR - STMicroelectronics.

Datasheets

[FERD20U50.pdf](#)

PCN Assembly/Origin

[Mult Dev Assembly 19/Feb/2019.pdf](#)

Customers Also Interested in

Recommended Products



FERD2045SB-TR
STMicroelectronics
DIODE FERD 45V 20A DPAK



FERD20H100SB-TR
STMicroelectronics
DIODE FERD 100V 20A DPAK



FERD20U60DJFD-TR
STMicroelectronics
DIODE FERD 60V 20A POWERFLAT



FERD30H100STS
STMicroelectronics
DIODE FERD 100V 30A TO220AB



FERD30M45CR
STMicroelectronics
DIODE ARRAY 45V 30A 12PAK



FERD30M45CT
STMicroelectronics
DIODE ARRAY 45V 15A TO220AB



FERD20S100SB-TR
STMicroelectronics
DIODE FERD 100V 20A DPAK



FERD30H100SB-TR
STMicroelectronics
DIODE FERD 100V 30A DPAK



FERD15S50SB-TR
STMicroelectronics
DIODE FERD 50V 15A DPAK



FERD20H100STS
STMicroelectronics
DIODE FERD 100V 20A TO220



FERD30H60CG-TR
STMicroelectronics
DIODE ARRAY 60V 15A D2PAK



FERD20S100STS
STMicroelectronics
DIODE FERD 100V 20A TO220AB



FERD20H60CTS
STMicroelectronics
DIODE ARRAY 60V 10A TO220AB



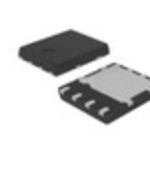
FERD30H60CTS
STMicroelectronics
DIODE ARRAY 60V 15A TO220AB



FERD30M45CG-TR
STMicroelectronics
DIODE ARRAY 45V 15A D2PAK



FERD20L60CTS
STMicroelectronics
DIODE ARRAY 60V 10A TO220AB



FERD20U60DJF-TR
STMicroelectronics
DIODE FERD 60V 20A POWERFLAT

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
- Email
info@allelco.com

Certifications & Memberships



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