




FST16045

Manufacturer Part Number	FST16045	 Get a Quote
Manufacturer	GeneSic Semiconductor	
Allelco Part Number	32D-FST16045	
ECAD Model	 Request Free CAD Models	
Parts Description	DIODE MODULE 45V 160A TO249AB	
Package	TO-249AB	
Data sheet	FST16045 thru FST160100.pdf	
RoHS Status	 RoHS Compliant	

FST16045 - GeneSic Semiconductor. New Original in Stock. Download Linear Technology FST16045 datasheet/specifications on AllelcoElec.com.
Request a quote for FST16045, please send us email: info@allelco.com

Specifications





FST16045 Tech Specifications

FST16045 - GeneSic Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	GeneSic Semiconductor	Package / Case	TO-249AB
Voltage - Forward (Vf) (Max) @ If	750 mV @ 160 A	Package	Bulk
Voltage - DC Reverse (Vr) (Max)	45 V	Operating Temperature - Junction	-55°C ~ 150°C
Technology	Schottky	Mounting Type	Chassis Mount
Supplier Device Package	TO-249AB	Diode Configuration	1 Pair Common Cathode
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Reverse Leakage @ Vr	1 mA @ 20 V
Series	-	Current - Average Rectified (Io) (per Diode)	160A (DC)

Parts with Similar Specifications


The three parts on the right have similar specifications to GeneSic Semiconductor FST16045

Product Attribute	 NO PICTURE			
Part Number	FST16045	FST16045	FST16090	FST16050
Manufacturer	GeneSic Semiconductor	Microsemi Corporation	Microsemi Corporation	Microsemi Corporation
Technology	Schottky	Schottky	Schottky	Schottky
Current - Average Rectified (Io) (per Diode)	160A (DC)	80A	80A	80A
Series	-	-	-	-
Operating Temperature - Junction	-55°C ~ 150°C	-	-	-
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Voltage - Forward (Vf) (Max) @ If	750 mV @ 160 A	740 mV @ 80 A	960 mV @ 80 A	740 mV @ 80 A
Voltage - DC Reverse (Vr) (Max)	45 V	45 V	90 V	50 V
Current - Reverse Leakage @ Vr	1 mA @ 20 V	2 mA @ 45 V	2 mA @ 90 V	2 mA @ 50 V
Package / Case	TO-249AB	TO-249AA Isolated Base	TO-249AA	TO-249AA Isolated Base
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Mounting Type	Chassis Mount	Chassis Mount	Screw Mount	Chassis Mount
Supplier Device Package	TO-249AB	TO-249	TO-249	TO-249
Package	Bulk	Bulk	Bulk	Bulk

FST16045 Datasheet PDF

Download FST16045 pdf datasheets and GeneSic Semiconductor documentation for FST16045 - GeneSic Semiconductor.

Datasheets


[FST16045 thru FST160100.pdf](#)

Customers Also Interested in

Recommended Products

 FST100Z2 Artesyn Embedded Power IGBT Module	 FST16213MTDX Fairchild Semiconductor BUS EXCHANGER	 FST16213MTD Fairchild Semiconductor BUS EXCHANGER	 FST16045 Microsemi Corporation DIODE MODULE 45V 80A TO249	 FST16210MTDX onsemi IC BUS SWITCH 10 X 1:1 48TSSOP	 FST16210MTDX Fairchild Semiconductor IC BUS SWITCH 10 X 1:1 48TSSOP
 FST16210MTD Fairchild Semiconductor BUS DRIVER	 FST10-522M POWERPLAZA IGBT Module	 FST16209MTDX Fairchild (onsemi)	 FST16212MTDX Fairchild Semiconductor BUS EXCHANGER	 FST16090 Microsemi Corporation DIODE MODULE 90V 80A TO249	 FST16212MTD Fairchild Semiconductor BUS EXCHANGER

**FST16211MTDX**onsemi
IC BUS SWITCH 12 X 1:1 56TSSOP**FST16211MTD**onsemi
IC BUS SWITCH 12 X 1:1 56TSSOP**FST16211**

Fairchild (onsemi)

**FST16050**Microsemi Corporation
DIODE MODULE 50V 80A TO249**FST16212MEA**Fairchild Semiconductor
BUS EXCHANGER

NO PICTURE

FST12245DSiemens
IGBT Module

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

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Email

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Certifications & Memberships



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