



# F4-50R12MS4

Manufacturer Part Number	<b>F4-50R12MS4</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-F4-50R12MS4
ECAD Model	Request Free CAD Models
Parts Description	IGBT, 70A, 1200V, N-CHANNEL
Package	Module
Data sheet	F4-50R12MS4.pdf
RoHs Status	ROHS3 Compliant



[Get a Quote](#)

F4-50R12MS4 - Infineon Technologies. New Original in Stock. Download Linear Technology F4-50R12MS4 datasheet/specifications on AllelcoElec.com.  
Request a quote for F4-50R12MS4, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

F4-50R12MS4 Tech Specifications

F4-50R12MS4 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	NTC Thermistor	Yes
Voltage - Collector Emitter Breakdown (Max)	1200 V	Mounting Type	Chassis Mount
Vce(on) (Max) @ Vge, Ic	3.75V @ 15V, 50A	Input Capacitance (Cies) @ Vce	3.4 nF @ 25 V
Supplier Device Package	-	Input	Standard
Series	EconoDUAL™2	IGBT Type	-
Power - Max	355 W	Current - Collector Cutoff (Max)	1 mA
Package / Case	Module	Current - Collector (Ic) (Max)	70 A
Package	Bulk	Configuration	Full Bridge Inverter
Operating Temperature	-40°C ~ 125°C (TJ)	Base Product Number	F4-50R

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies F4-50R12MS4

Product Attribute				
Part Number	F4-50R12MS4	F4-50R07W2H3_B51	F4-50R07W1H3_B11A	F4-75R06KL4
Manufacturer	Infineon Technologies	Infineon Technologies	Cypress Semiconductor (Infineon Technologies)	Cypress Semiconductor (Infineon Technologies)
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)	-	-
Voltage - Collector Emitter Breakdown (Max)	1200 V	650 V	-	-
Package / Case	Module	Module	-	-
Vce(on) (Max) @ Vge, Ic	3.75V @ 15V, 50A	1.7V @ 15V, 25A	-	-
Current - Collector (Ic) (Max)	70 A	65 A	-	-
Supplier Device Package	-	Module	-	-
Mounting Type	Chassis Mount	Chassis Mount	-	-
NTC Thermistor	Yes	Yes	-	-
Series	EconoDUAL™2	EasyBRIDGE	-	-
Base Product Number	F4-50R	F4-50	-	-
IGBT Type	-	-	-	-
Configuration	Full Bridge Inverter	Full Bridge Inverter	-	-
Package	Bulk	Bulk	-	-
Input Capacitance (Cies) @ Vce	3.4 nF @ 25 V	2.95 nF @ 25 V	-	-
Current - Collector Cutoff (Max)	1 mA	1 mA	-	-
Power - Max	355 W	520 W	-	-
Input	Standard	Standard	-	-

## Customers Also Interested in

### Recommended Products



**F4-50R07W1H3\_B11A**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-75R06KL4**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



NO PICTURE

**F4-50R07W2H3-B51ENG**

INFINIENON  
IGBT Module



NO PICTURE

**F4-75R06W1E**

INFINIENON  
IGBT Module



NO PICTURE

**F4-50R12SK4**

INFINIENON  
IGBT Module



**F4-75R07W2H3\_B51**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-50R12KS4**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-50R12KS4\_B11**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



NO PICTURE

**F4-50R07W1H3-B11A**

IGBT  
IGBT Module



**F4-75R12KS4\_B11**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-50R06W1E3**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-75R07W1H3\_B11A**

Cypress Semiconductor (Infineon Technologies)  
IGBT Module



**F4-50R07W2H3\_B51**

Infineon Technologies  
IGBT MODULE VCES 650V 50A



**F4-75R12KS4**

Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module



NO PICTURE

**F4-50R06NE3**

INFIENON  
IGBT Module



NO PICTURE

**F4-75R12KE3**

INFIENON  
IGBT Module



**F4-75R06W1E3**

Cypress Semiconductor  
(Infineon Technologies)  
IGBT Module



NO PICTURE

**F4-75R06NE3**

INFIENON  
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

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



[View More](#)



## Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.