



EFC4612R-TR

Manufacturer Part Number	EFC4612R-TR
Manufacturer	onsemi
Allelco Part Number	32D-EFC4612R-TR
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 24V 6A EFCP
Package	4-XFBGA
Data sheet	EFC4612R-TR.pdf



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EFC4612R-TR - onsemi. New Original in Stock. Download Linear Technology EFC4612R-TR datasheet/specifications on AllelcoElec.com.
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Specifications

EFC4612R-TR Tech Specifications
EFC4612R-TR - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	1.3V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Gate Charge (Qg) (Max) @ Vgs	7 nC @ 4.5 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	EFCP1313-4CC-037	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	-
Rds On (Max) @ Id, Vgs	45mOhm @ 3A, 4.5V	Drain to Source Voltage (Vdss)	24 V
Power Dissipation (Max)	1.6W (Ta)	Current - Continuous Drain (Id) @ 25°C	6A (Ta)
Package / Case	4-XFBGA	Base Product Number	EFC4612
Package	Tape & Reel (TR)		

Parts with Similar Specifications

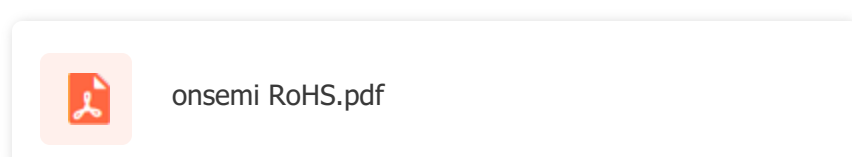
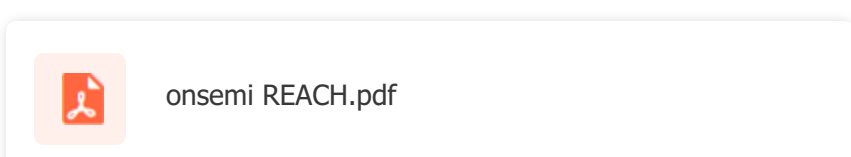
The three parts on the right have similar specifications to onsemi EFC4612R-TR

Product Attribute	NO PICTURE			
Part Number	EFC4612R-TR	EFC4615R-TR	EFC4611-TR	EFC4618R-P-TR
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Vgs(th) (Max) @ Id	1.3V @ 1mA	1.3V @ 1mA	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	-	-
Gate Charge (Qg) (Max) @ Vgs	7 nC @ 4.5 V	8.8 nC @ 4.5 V	-	25.4nC @ 4.5V
Series	-	-	*	-
Package / Case	4-XFBGA	4-XFBGA, FCBGA	-	4-XFBGA, FCBGA
Current - Continuous Drain (Id) @ 25°C	6A (Ta)	6A (Ta)	-	-
Power Dissipation (Max)	1.6W (Ta)	1.6W (Ta)	-	-
Operating Temperature	150°C (TJ)	150°C (TJ)	-	150°C (TJ)
Drain to Source Voltage (Vdss)	24 V	24 V	-	-
Drive Voltage (Max Rds On, Min Rds On)	-	2.5V, 4.5V	-	-
Base Product Number	EFC4612	EFC4615	-	EFC4618
FET Feature	-	-	-	Logic Level Gate, 2.5V Drive
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
Vgs (Max)	±12V	±12V	-	-
Supplier Device Package	EFCP1313-4CC-037	EFCP1515-4CC-037	-	EFCP1818-4CC-037
Rds On (Max) @ Id, Vgs	45mOhm @ 3A, 4.5V	31mOhm @ 3A, 4.5V	-	-

EFC4612R-TR Datasheet PDF

Download EFC4612R-TR pdf datasheets and onsemi documentation for EFC4612R-TR - onsemi.

Environmental Information



PCN Obsolescence/ EOL



Customers Also Interested in

Recommended Products



EFC4618R-P-TR
onsemi
MOSFET 2N-CH EFCP1818

EFC4618R-B
AMI Semiconductor/onsemi

EFC4618R-P-TR MOS
AMI Semiconductor/onsemi

EFC4615R-TR
onsemi
MOSFET N-CH 24V 6A EFCP

EFC4618R-C
AMI Semiconductor/onsemi

EFC4601R-M-TR
onsemi
NCH 2.5V DRIVE SERIES



EFC4602-S-TR
AMI Semiconductor/onsemi

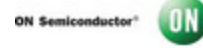
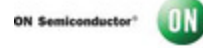
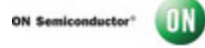
EFC4621R
AMI Semiconductor/onsemi

EFC4601-M-TR
Sanyo
N-CHANNEL MOSFET

EFC4612
AMI Semiconductor/onsemi

EFC4618R-TR
onsemi
MOSFET 2N-CH EFCP1818

EFC2K102AUZTDG
AMI Semiconductor/onsemi



EFC2K102ANUZTDG
onsemi
NCH 12V 33A WLCSP DUAL

EFC2J013NUZTDG
onsemi
MOSFET N-CH 12V 17A WLCSP6 DUAL

EFC4301-TR
AMI Semiconductor/onsemi

EFC4612R-S-TR
onsemi
DUAL N-CHANNEL POWER MOSFET FOR

EFC4611-TR
onsemi
N-CHANNEL POWER MOSFET

EFC4619R-TR
onsemi
MOSFET 2N-CH EFCP

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.



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 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



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