

Image may be representation.
See specifications for product details.



IRSM836-045MATR

Manufacturer Part Number	IRSM836-045MATR
Manufacturer	Infineon Technologies
Allelco Part Number	32D-IRSM836-045MATR
ECAD Model	Request Free CAD Models
Parts Description	IC MTR DRIVER 13.5V-16.5V 36PQFN
Package	37-PowerVQFN
Data sheet	IRSM836-045MA.pdf IRSM836-045MA.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

IRSM836-045MATR - Infineon Technologies.New Original in Stock. Download Linear Technology IRSM836-045MATR datasheet/specifications on AllelcoElec.com.
Request a quote for IRSM836-045MATR, please send us email: info@allelco.com

Specifications

IRSM836-045MATR Tech Specifications
IRSM836-045MATR - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	13.5V ~ 16.5V	Mounting Type	Surface Mount
Voltage - Load	400V (Max)	Motor Type - Stepper	-
Technology	UMOS	Motor Type - AC, DC	AC, Synchronous
Supplier Device Package	37-PQFN (12x12)	Interface	Parallel
Step Resolution	-	Function	Driver - Fully Integrated, Control and Power Stage
Series	-	Current - Output	4A
Package / Case	37-PowerVQFN	Base Product Number	IRSM836
Package	Tape & Reel (TR)	Applications	Appliance
Output Configuration	Half Bridge (3)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRSM836-045MATR

Product Attribute				
Part Number	IRSM836-045MATR	IRSM836-035MB	IRSM836-044MA	IRSM836-044MATR
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Step Resolution	-	-	-	-
Interface	Parallel	Parallel	Parallel	Parallel
Supplier Device Package	37-PQFN (12x12)	27-PQFN (12x12)	36-PQFN (12x12)	36-PQFN (12x12)
Output Configuration	Half Bridge (3)	Half Bridge (3)	Half Bridge (3)	Half Bridge (3)
Current - Output	4A	3A	4A	4A
Voltage - Load	400V (Max)	400V (Max)	200V (Max)	200V (Max)
Applications	Appliance	Appliance	Appliance	Appliance
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Function	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage
Voltage - Supply	13.5V ~ 16.5V	13.5V ~ 16.5V	13.5V ~ 16.5V	13.5V ~ 16.5V
Technology	UMOS	UMOS	UMOS	UMOS
Package / Case	37-PowerVQFN	31-PowerVQFN	36-PowerVQFN	36-PowerVQFN
Motor Type - AC, DC	AC, Synchronous	AC, Synchronous	AC, Synchronous	AC, Synchronous
Motor Type - Stepper	-	-	-	-
Base Product Number	IRSM836	IRSM836	IRSM836	IRSM836
Series	-	-	-	-

IRSM836-045MATR Datasheet PDF

Download IRSM836-045MATR pdf datasheets and Infineon Technologies documentation for IRSM836-045MATR - Infineon Technologies.

Datasheets

[IRSM836-045MA.pdf](#)

Other Related Documents

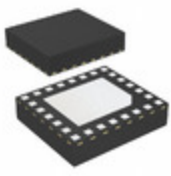



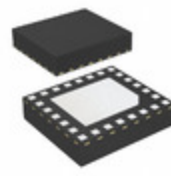

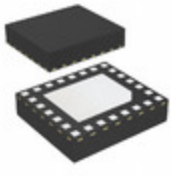


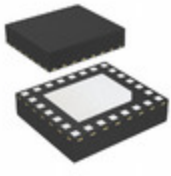
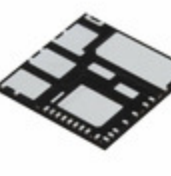




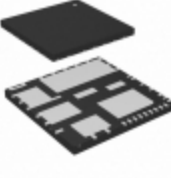


[Part Number Guide.pdf](#)

PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

 IRSM808-105MH Infineon Technologies IC HALF BRIDGE DRIVER 10A 31PQFN	 IRSM836-035MB Infineon Technologies IC MTR DRIVER 13.5V-16.5V 27PQFN	 IRSM836-044MA Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN	 IRSM636-015MB. IR	 IRSM807-045MHTR Infineon Technologies IC HALF BRIDGE DRIVER 4A 31PQFN	 IRSM836-044MATR Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN
 IRSM807-105MHTR Infineon Technologies IC HALF BRIDGE DRIVER 10A 31PQFN	 IRSM636-015MBTR Infineon Technologies MODULES POWER DRIVERS	 IRSM836-035MATR Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN	 IRSM807-045MH Infineon Technologies IC HALF BRIDGE DRIVER 4A 31PQFN	 IRSM636-015MB Infineon Technologies MODULES POWER DRIVERS	 IRSM836-024MA Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN
 IRSM636-015MBTR. IR	 IRSM836-035MA Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN	 IRSM836-025MATR Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN	 IRSM836-045MA Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN	 IRSM808-204 IR	 IRSM836-025MA Infineon Technologies IC MTR DRIVER 13.5V-16.5V 36PQFN

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
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Contact us if you have any questions.

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Certifications & Memberships



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