

Image may be representation.  
See specifications for product details.



## IRMCK099M

Manufacturer Part Number	<b>IRMCK099M</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IRMCK099M
ECAD Model	Request Free CAD Models
Parts Description	IC MOTOR DRIVER 3V-3.6V 32QFN
Package	32-WFQFN Exposed Pad
Data sheet	<b>IRMCK099M.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IRMCK099M - Infineon Technologies.New Original in Stock. Download Linear Technology IRMCK099M datasheet/specifications on AllelcoElec.com.  
Request a quote for IRMCK099M, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IRMCK099M Tech Specifications

IRMCK099M - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - Supply	3V ~ 3.6V	Mounting Type	Surface Mount
Voltage - Load	-	Motor Type - Stepper	-
Technology	Power MOSFET	Motor Type - AC, DC	AC, Synchronous
Supplier Device Package	32-QFN	Interface	I <sup>2</sup> C, RS-232
Step Resolution	-	Function	Controller - Commutation, Direction Management
Series	iMOTION™	Current - Output	-
Package / Case	32-WFQFN Exposed Pad	Base Product Number	IRMCK099
Package	Bulk	Applications	Appliance
Output Configuration	Pre-Driver - Half Bridge (3)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRMCK099M

Product Attribute				
Part Number	IRMCK099M	IRMCK171TY	IRMCF341TY	IRMCK099MTR
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Series	iMOTION™	MCE™	MCE™	iMOTION™
Voltage - Supply	3V ~ 3.6V	3V ~ 3.6V	1.62V ~ 1.98V, 3V ~ 3.6V	3V ~ 3.6V
Package	Bulk	Tray	Tray	Cut Tape (CT)
Supplier Device Package	32-QFN	48-QFP (9x9)	64-QFP	32-QFN
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Step Resolution	-	-	-	-
Interface	I <sup>2</sup> C, RS-232	I <sup>2</sup> C, RS-232, SPI	I <sup>2</sup> C, RS-232, SPI	I <sup>2</sup> C, RS-232
Package / Case	32-WFQFN Exposed Pad	48-LQFP	64-LQFP	32-WFQFN Exposed Pad
Technology	Power MOSFET	Power MOSFET	IGBT	Power MOSFET
Motor Type - AC, DC	AC, Synchronous	AC, Induction, Synchronous	AC, Synchronous	AC, Synchronous
Voltage - Load	-	-	-	-
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Function	Controller - Commutation, Direction Management	Controller - Commutation, Direction Management	Controller - Commutation, Direction Management	Controller - Commutation, Direction Management
Base Product Number	IRMCK099	IRMCK171	IRMCF341	IRMCK099
Motor Type - Stepper	-	-	-	-
Output Configuration	Pre-Driver - Half Bridge (3)	Pre-Driver - Half Bridge (3)	Pre-Driver - Half Bridge (3)	Pre-Driver - Half Bridge (3)
Applications	Appliance	Appliance	Appliance	Appliance
Current - Output	-	-	-	-

### IRMCK099M Datasheet PDF

Download IRMCK099M pdf datasheets and Infineon Technologies documentation for IRMCK099M - Infineon Technologies.

#### Datasheets

[IRMCK099M.pdf](#)

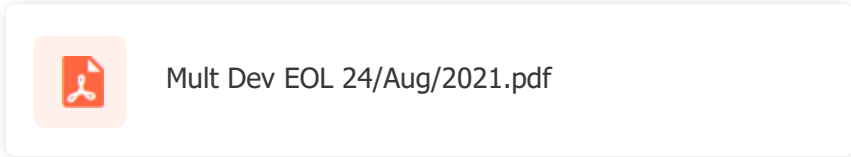
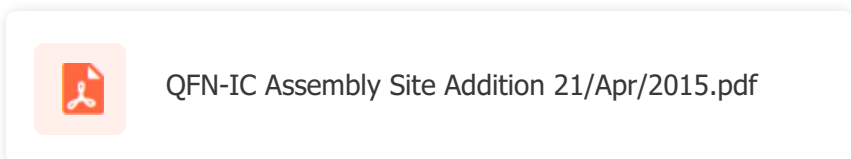
#### Other Related Documents

[Part Number Guide.pdf](#)

#### PCN Design/Specification

[Mult Dev Label Chgs Aug/2020.pdf](#)

[Mult Dev Lot Chgs 25/May/2021.pdf](#)



**Customers Also Interested in**

**Recommended Products**

<b>IRMCK171TY</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 48QFP	<b>IRMCF341</b> IR	<b>IRMCF341TY</b> Infineon Technologies IC MTRDRV 1.62-1.98/3-3.6V 64QFP	<b>IRMCK311</b> IR	<b>IRMCK099MTR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 32QFN	<b>IRMCK171TR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 48QFP
<b>IRMCK341</b> IR	<b>IRMCK099</b> IR	<b>IRMCF312TY</b> Infineon Technologies IC MOTOR DRIVER 100QFP	<b>IRMCF188TY</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 64LQFP	<b>IRMCF311</b> IR	<b>IRMCK203</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 80QFP
<b>IRMCK341TY</b> Infineon Technologies IC MTRDRV 1.62-1.98/3-3.6V 64QFP	<b>IRMCK341TR</b> Infineon Technologies IC MOTOR CONTRLLR I2C/SPI 64MQFP	<b>IRMCF371TR</b> Infineon Technologies IC MTRDRV 1.62-1.98/3-3.6V 48QFP	<b>IRMCF343TY</b> Infineon Technologies IC MOTOR DRIVER 64MQFP	<b>IRMCF311TRPBF</b> IR	<b>IRMCF588QTY</b> Infineon Technologies IC MOTOR DRIVER 100LQFP

**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.

<p><b>Payment Support</b></p> <p>The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.</p>	<p><b>Your Faithful Supply Chain Partner -</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Efficient Supply Management</div> <div style="text-align: center;"> Cost-Saving Procurement</div> <div style="text-align: center;"> Fast Sourcing &amp; Delivery</div> </div> <p><b>Contact us if you have any questions.</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Phone +00852 9146 4856</div> <div style="text-align: center;"> Email info@allelco.com</div> </div>	<p><b>Certifications &amp; Memberships</b></p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 10px;"> </div> <p style="text-align: right;"><a href="#">View More</a></p>
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