



Image may be representation.  
See specifications for product details.



## IRLML6344TRPBF

Manufacturer Part Number	<b>IRLML6344TRPBF</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IRLML6344TRPBF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 5A MICRO3/SOT23
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	IRLML6344TRPBF.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IRLML6344TRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRLML6344TRPBF datasheet/specifications on AllelcoElec.com.  
Request a quote for IRLML6344TRPBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IRLML6344TRPBF Tech Specifications  
IRLML6344TRPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1.1V @ 10µA	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	6.8 nC @ 4.5 V
Supplier Device Package	Micro3™/SOT-23	FET Type	N-Channel
Series	HEXFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	29mOhm @ 5A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V
Power Dissipation (Max)	1.3W (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	5A (Ta)
Package	Tape & Reel (TR)	Base Product Number	IRLML6344

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRLML6344TRPBF

Product Attribute				
Part Number	IRLML6344TRPBF	IRLML6401GTRPBF	IRLML6346TRPBF	IRLML6246TRPBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	-	N-Channel	N-Channel
Vgs(th) (Max) @ Id	1.1V @ 10µA	50 mOhm @ 4.3A, 4.5V	1.1V @ 10µA	1.1V @ 5µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	IRLML6344	-	IRLML6346	IRLML6246
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 25 V	15nC @ 5V	270 pF @ 24 V	290 pF @ 16 V
Package / Case	TO-236-3, SC-59, SOT-23-3	-	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Package	Tape & Reel (TR)	-	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	6.8 nC @ 4.5 V	950mV @ 250µA	2.9 nC @ 4.5 V	3.5 nC @ 4.5 V
Drive Voltage (Max Rds On, Min Rds On)	2.5V, 4.5V	-	2.5V, 4.5V	2.5V, 4.5V
Series	HEXFET®	HEXFET®	HEXFET®	HEXFET®
FET Feature	-	P-Channel	-	-
Current - Continuous Drain (Id) @ 25°C	5A (Ta)	12V	3.4A (Ta)	4.1A (Ta)
Supplier Device Package	Micro3™/SOT-23	-	Micro3™/SOT-23	Micro3™/SOT-23
Drain to Source Voltage (Vdss)	30 V	-	30 V	20 V
Vgs (Max)	±12V	1.8V, 4.5V	±12V	±12V
Power Dissipation (Max)	1.3W (Ta)	-	1.3W (Ta)	1.3W (Ta)
Rds On (Max) @ Id, Vgs	29mOhm @ 5A, 4.5V	4.3A (Ta)	63mOhm @ 3.4A, 4.5V	46mOhm @ 4.1A, 4.5V

### IRLML6344TRPBF Datasheet PDF

Download IRLML6344TRPBF pdf datasheets and Infineon Technologies documentation for IRLML6344TRPBF - Infineon Technologies.

#### Other Related Documents

Part Number Guide.pdf

#### PCN Packaging

Mult Dev Label Chgs 18/Feb/2020.pdf

Barcode Label Update 24/Feb/2017.pdf

#### PCN Design/Specification

PCN Assembly/Origin

Mult Mosfet Dev Wafer/Test Site Add 8/Aug/2017.pdf

Customers Also Interested in

Recommended Products

<b>IRLML6401/F7URV</b> IR	<b>IRLML6401GTRPBF</b> Infineon Technologies MOSFET P-CH 12V 4.3A SOT-23-3	<b>IRLML6344TRPBF MOS</b> Cypress Semiconductor (Infineon Technologies)	<b>IRLML6346TRPBF</b> Infineon Technologies MOSFET N-CH 30V 3.4A SOT23	<b>IRLML6302TRPBF-1</b> IR	<b>IRLML6302</b> SIPUSEMI
<b>IRLML6246TRPBF</b> Infineon Technologies MOSFET N-CH 20V 4.1A SOT23	<b>IRLML6401TR</b> Infineon Technologies MOSFET P-CH 12V 4.3A SOT-23	<b>IRLML6302TR</b> Infineon Technologies MOSFET P-CH 20V 780MA SOT-23	<b>IRLML6346</b> IR	<b>IRLML6302 MOS</b> IR	<b>IRLML6302GTRPBF</b> Infineon Technologies MOSFET P-CH 20V 0.78A SOT-23-3
<b>IRLML6401</b> IR	<b>IRLML6302TR PBF</b> IR	<b>IRLML6246</b> IR	<b>IRLML6344GTRPBF</b> VBSEMI	<b>IRLML6346TR</b> IR	<b>IRLML6302TRPBF</b> Infineon Technologies MOSFET P-CH 20V 780MA SOT23

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.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



View More

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