



Image may be representation.  
See specifications for product details.



## MIC29312WT

Manufacturer Part Number	<b>MIC29312WT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MIC29312WT
ECAD Model	Request Free CAD Models
Parts Description	IC REG LINEAR POS ADJ 3A TO220-5
Package	TO-220-5
Data sheet	<b>MIC29310/29312.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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MIC29312WT - Microchip Technology. New Original in Stock. Download Linear Technology MIC29312WT datasheet/specifications on AllelcoElec.com. Request a quote for MIC29312WT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MIC29312WT Tech Specifications

MIC29312WT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Output Type	Adjustable
Voltage Dropout (Max)	1V @ 3A	Output Configuration	Positive
Voltage - Output (Min/Fixed)	1.24V	Operating Temperature	0°C ~ 125°C
Voltage - Output (Max)	15V	Number of Regulators	1
Voltage - Input (Max)	16V	Mounting Type	Through Hole
Supplier Device Package	TO-220-5	Current - Supply (Max)	150 mA
Series	-	Current - Quiescent (Iq)	20 mA
Protection Features	Over Current, Over Temperature, Reverse Polarity	Current - Output	3A
Package / Case	TO-220-5	Control Features	Enable
Package	Tube	Base Product Number	MIC29312
PSRR	-		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC29312WT

Product Attribute				
Part Number	MIC29312WT	MIC29371-5.0BT	MIC29310-5.0BU	MIC29371-12WU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage Dropout (Max)	1V @ 3A	-	1V @ 3A	0.75V @ 750mA
Protection Features	Over Current, Over Temperature, Reverse Polarity	Over Current, Over Temperature	Over Current, Over Temperature, Reverse Polarity	Over Current, Over Temperature
Current - Quiescent (Iq)	20 mA	300 µA	20 mA	300 µA
Package / Case	TO-220-5	TO-220-5	TO-263-4, D <sup>2</sup> Pak (3 Leads + Tab), TO-263AA	TO-263-6, D <sup>2</sup> Pak (5 Leads + Tab), TO-263BA
Control Features	Enable	Enable	-	Enable
Operating Temperature	0°C ~ 125°C	-40°C ~ 125°C	0°C ~ 125°C	-40°C ~ 125°C
Base Product Number	MIC29312	MIC29371-5.0	MIC29310-5.0	MIC29371
PSRR	-	-	-	-
Series	-	-	-	-
Number of Regulators	1	1	1	1
Output Type	Adjustable	Fixed	Fixed	Fixed
Output Configuration	Positive	Positive	Positive	Positive
Current - Supply (Max)	150 mA	16 mA	150 mA	16 mA
Supplier Device Package	TO-220-5	TO-220-5	TO-263-3	TO-263-5
Current - Output	3A	750mA	3A	750mA
Voltage - Output (Max)	15V	-	-	-
Package	Tube	Tube	Bulk	Tube
Mounting Type	Through Hole	Through Hole	Surface Mount	Surface Mount
Voltage - Input (Max)	16V	26V	16V	26V
Voltage - Output (Min/Fixed)	1.24V	5V	5V	12V

### MIC29312WT Datasheet PDF


Download MIC29312WT pdf datasheets and Microchip Technology documentation for MIC29312WT - Microchip Technology.

#### PCN Packaging

2.73KHz.pdf


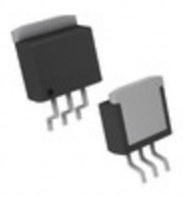







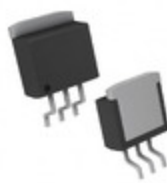
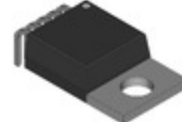




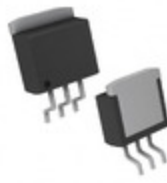


#### HTML Datasheet

MIC29310/29312.pdf

 Regulators 24/Mar/2017.pdf

## Customers Also Interested in

### Recommended Products

					
<b>MIC29371-5.0BT</b> Microchip Technology IC REG LINEAR 5V 750MA TO220-5	<b>MIC29310-5.0BU</b> Microchip Technology IC REG LINEAR 5V 3A TO263-3	<b>MIC29371-12WU</b> Microchip Technology IC REG LINEAR 12V 750MA TO263-5	<b>MIC29312BU/TR</b> MIC	<b>MIC29312BT</b> Microchip Technology IC REG LINEAR POS ADJ 3A TO220-5	<b>MIC29312BU</b> Microchip Technology IC REG LINEAR POS ADJ 3A TO263-5
					
<b>MIC29312BUTR</b> Micrel / Microchip Technology	<b>MIC29312WU</b> Microchip Technology IC REG LINEAR POS ADJ 3A TO263-5	<b>MIC29311-5.1BU</b> Micrel / Microchip Technology	<b>MIC29310-5.0WU</b> Microchip Technology IC REG LINEAR 5V 3A TO263-3	<b>MIC29371-12BT</b> Micrel Inc. IC REG LINEAR 750MA LDO VOLT REG	<b>MIC29312YT</b> Micrel / Microchip Technology
					
<b>MIC29371-3.3WT</b> Microchip Technology IC REG LINEAR 3.3V 750MA TO220-5	<b>MIC293103.3BU</b> ARROW	<b>MIC29371-3.3WU</b> Microchip Technology IC REG LINEAR 3.3V 750MA TO263-5	<b>MIC29310-3.3WU-TR</b> Microchip Technology IC REG LINEAR 3.3V 3A TO263-3	<b>MIC29371-12WT</b> Microchip Technology IC REG LINEAR 12V 750MA TO220-5	<b>MIC29310-5.0YT</b> Micrel / Microchip Technology

## 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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### Contact us

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