



Image may be representation.
See specifications for product details.



MIC2296YD5-TR

Manufacturer Part Number	MIC2296YD5-TR
Manufacturer	Microchip Technology
Allelco Part Number	32D-MIC2296YD5-TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BOOST ADJ 1.2A TSOT23-5
Package	SOT-23-5 Thin, TSOT-23-5
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MIC2296YD5-TR - Microchip Technology. New Original in Stock. Download Linear Technology MIC2296YD5-TR datasheet/specifications on AllelcoElec.com. Request a quote for MIC2296YD5-TR, please send us email: info@allelco.com

Specifications

MIC2296YD5-TR Tech Specifications

MIC2296YD5-TR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	2.5V	Output Type	Adjustable
Voltage - Output (Max)	34V (Switch)	Output Configuration	Positive
Voltage - Input (Min)	2.5V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	10V	Number of Outputs	1
Topology	Boost	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Step-Up
Supplier Device Package	TSOT-23-5	Frequency - Switching	600kHz
Series	-	Current - Output	1.2A (Switch)
Package / Case	SOT-23-5 Thin, TSOT-23-5	Base Product Number	MIC2296

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC2296YD5-TR

Product Attribute				
Part Number	MIC2296YD5-TR	MIC2296YML	MIC2295YD5	MIC2295BD5
Manufacturer	Microchip Technology	Micrel Inc.	Micrel Inc.	Microchip Technology
Series	-	-	-	-
Current - Output	1.2A (Switch)	1.2A (Switch)	1.2A (Switch)	1.2A (Switch)
Voltage - Input (Max)	10V	10V	10V	10V
Voltage - Output (Min/Fixed)	2.5V	2.5V	2.5V	2.5V
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Synchronous Rectifier	No	No	No	No
Voltage - Input (Min)	2.5V	2.5V	2.5V	2.5V
Voltage - Output (Max)	34V (Switch)	34V (Switch)	34V (Switch)	34V (Switch)
Package / Case	SOT-23-5 Thin, TSOT-23-5	8-VDFDN Exposed Pad, 8-MLF®	SOT-23-5 Thin, TSOT-23-5	SOT-23-5 Thin, TSOT-23-5
Number of Outputs	1	1	1	1
Frequency - Switching	600kHz	600kHz	1.2MHz	1.2MHz
Package	Tape & Reel (TR)	Bulk	Bulk	Bulk
Supplier Device Package	TSOT-23-5	8-MLF® (2x2)	TSOT-23-5	TSOT-23-5
Topology	Boost	Boost	Boost	Boost
Base Product Number	MIC2296	-	-	MIC2295
Function	Step-Up	Step-Up	Step-Up	Step-Up
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Output Configuration	Positive	Positive	Positive	Positive

MIC2296YD5-TR Datasheet PDF

Download MIC2296YD5-TR pdf datasheets and Microchip Technology documentation for MIC2296YD5-TR - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[2.73KHz.pdf](#)

PCN Assembly/Origin



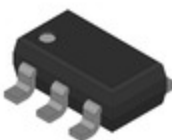















2.73KHz.pdf

PCN Part Number

2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
MIC2297-42YML-TR Microchip Technology IC LED DRVR RGLTR DIM 1.2A 10MLF	MIC2297-15YML/TR MICROCHIO	MIC2296YML Micrel Inc. HIGH POWER DENSITY 1.2A BOOST	MIC2297-15YML Micrel / Microchip Technology	MIC2295YD5 Micrel Inc. HIGH POWER DENSITY 1.2A BOOST	MIC2296YD5/TR Micrel / Microchip Technology
					
MIC2296YD5 Micrel / Microchip Technology	MIC2295BD5 Microchip Technology IC REG BOOST ADJ 1.2A TSOT23-5	MIC2296YML-TR Microchip Technology IC REG BOOST ADJ 1.2A 8MLF	MIC2295YD5-TR Microchip Technology IC REG BOOST ADJ 1.2A TSOT23-5	MIC2295YML-TR Microchip Technology IC REG BOOST ADJ 1.2A 8MLF	MIC2295YML Micrel / Microchip Technology
					
MIC2293-34YMLTR Micrel / Microchip Technology	MIC2293-34YML/TR Micrel / Microchip Technology	MIC2297-38YML Micrel / Microchip Technology	MIC2295YML/TR Micrel / Microchip Technology	MIC2297-42YML Micrel Inc. 40V PWM BOOST REGULATOR WHITE LE	MIC22950YML 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

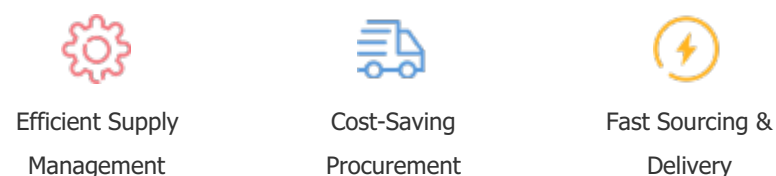
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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