



Image may be representation.  
See specifications for product details.



## MIC2250-1YD5-TR

Manufacturer Part Number	<b>MIC2250-1YD5-TR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MIC2250-1YD5-TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BOOST ADJ 900MA SOT23-5
Package	SOT-23-5 Thin, TSOT-23-5
Data sheet	<b>MIC2250.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MIC2250-1YD5-TR - Microchip Technology. New Original in Stock. Download Linear Technology MIC2250-1YD5-TR datasheet/specifications on AllelcoElec.com. Request a quote for MIC2250-1YD5-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MIC2250-1YD5-TR Tech Specifications  
MIC2250-1YD5-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)	1.24V	Output Type	Adjustable
Voltage - Output (Max)	32V	Output Configuration	Positive
Voltage - Input (Min)	2.5V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	5.5V	Number of Outputs	1
Topology	Boost	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Step-Up
Supplier Device Package	TSOT-23-5	Frequency - Switching	Up to 2.5MHz
Series	-	Current - Output	2A (Switch)
Package / Case	SOT-23-5 Thin, TSOT-23-5	Base Product Number	MIC2250

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC2250-1YD5-TR

Product Attribute				
Part Number	MIC2250-1YD5-TR	MIC22400YML-TR	MIC2251YML-TR	MIC2253-06YML-TR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Function	Step-Up	Step-Down	Step-Up	Step-Up
Synchronous Rectifier	No	Yes	No	No
Voltage - Input (Min)	2.5V	2.6V	2.5V	2.5V
Frequency - Switching	Up to 2.5MHz	1MHz	Up to 2.5MHz	1MHz
Number of Outputs	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Output Configuration	Positive	Positive	Positive	Positive
Voltage - Output (Max)	32V	5.5V	37V	30V
Base Product Number	MIC2250	MIC22400	MIC2251	MIC2253
Supplier Device Package	TSOT-23-5	20-MLF® (3x4)	8-MLF® (2x2)	12-MLF™ (3x3)
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	5.5V	5.5V	5.5V	10V
Series	-	-	-	-
Current - Output	2A (Switch)	4A	900mA (Switch)	3.5A (Switch)
Topology	Boost	Buck	Boost	Boost
Voltage - Output (Min/Fixed)	1.24V	0.7V	1.24V	1.245V
Package / Case	SOT-23-5 Thin, TSOT-23-5	20-VFQFN Exposed Pad, 20-MLF®	8-VDFN Exposed Pad, 8-MLF®	12-VDFN Exposed Pad, 12-MLF®

### MIC2250-1YD5-TR Datasheet PDF

Download MIC2250-1YD5-TR pdf datasheets and Microchip Technology documentation for MIC2250-1YD5-TR - Microchip Technology.


#### Datasheets

[MIC2250.pdf](#)


#### PCN Packaging

[Packing Changes 10/Oct/2016.pdf](#)

#### PCN Assembly/Origin







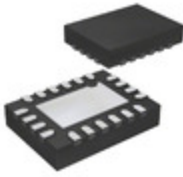






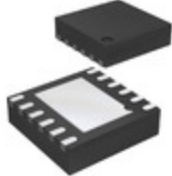




 Manufacturing Change 26/Mar/2021.pdf

PCN Part Number

 Micrel to Microchip PN Changes 7/Oct/2015.pdf

**Customers Also Interested in**

**Recommended Products**

					
<b>MIC2253-06YML</b> Micrel / Microchip Technology	<b>MIC2238-AAYMLTR</b> Micro Connectors, Inc.	<b>MIC2238-GSYML</b> Micrel / Microchip Technology	<b>MIC22600YML</b> Micrel / Microchip Technology	<b>MIC2251-1YD5</b> Micrel / Microchip Technology	<b>MIC2238-S4YMLTR</b> Micrel / Microchip Technology
					
<b>MIC22400YML-TR</b> Microchip Technology IC REG BUCK ADJUSTABLE 4A 20MLF	<b>MIC22601YML</b> Micrel / Microchip Technology	<b>MIC2238-AAYML</b> Micrel / Microchip Technology	<b>MIC2251YML-TR</b> Microchip Technology IC REG BOOST ADJ 900MA 8MLF	<b>MIC2230-SSYML</b> Micrel / Microchip Technology	<b>MIC2253-06YML/TR</b> Micrel / Microchip Technology
					
<b>MIC22600YMLTR</b> Micrel / Microchip Technology	<b>MIC2253-06YML-TR</b> Microchip Technology IC REG BOOST ADJ 3.5A 12MLF	<b>MIC2230-GSYML-TR</b> Microchip Technology IC REG BUCK 1.8V/3.3V 0.8A 12MLF	<b>MIC2238-AAYML/TR</b> Micrel / Microchip Technology	<b>MIC2230-GFHYML</b> Micrel / Microchip Technology	<b>MIC22400YML</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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