



Image may be representation.  
See specifications for product details.



## MIC2287YD5-TR

Manufacturer Part Number	<b>MIC2287YD5-TR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MIC2287YD5-TR
ECAD Model	Request Free CAD Models
Parts Description	IC LED DRVR RGLTR PWM TSOT23-5
Package	SOT-23-5 Thin, TSOT-23-5
Data sheet	<b>MIC2287.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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MIC2287YD5-TR - Microchip Technology. New Original in Stock. Download Linear Technology MIC2287YD5-TR datasheet/specifications on AllelcoElec.com. Request a quote for MIC2287YD5-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MIC2287YD5-TR Tech Specifications

MIC2287YD5-TR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Supply (Min)	2.5V	Number of Outputs	1
Voltage - Supply (Max)	10V	Mounting Type	Surface Mount
Voltage - Output	-	Internal Switch(s)	Yes
Type	DC DC Regulator	Frequency	1.2MHz
Topology	Step-Up (Boost)	Dimming	Analog, PWM
Supplier Device Package	TSOT-23-5	Current - Output / Channel	750mA (Switch)
Series	-	Base Product Number	MIC2287
Package / Case	SOT-23-5 Thin, TSOT-23-5	Applications	Backlight, Camera Flash
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC2287YD5-TR

Product Attribute				
Part Number	MIC2287YD5-TR	MIC2287CBD5	MIC2287CYD5-TR	MIC2288BML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Micrel / Microchip Technology
Supplier Device Package	TSOT-23-5	TSOT-23-5	TSOT-23-5	-
Applications	Backlight, Camera Flash	Backlight	Backlight	-
Dimming	Analog, PWM	Analog, PWM	Analog, PWM	-
Voltage - Output	-	-	-	-
Base Product Number	MIC2287	MIC2287	MIC2287	-
Series	-	-	-	-
Frequency	1.2MHz	1.2MHz	1.2MHz	-
Current - Output / Channel	750mA (Switch)	750mA (Switch)	750mA (Switch)	-
Voltage - Supply (Min)	2.5V	2.5V	2.5V	-
Internal Switch(s)	Yes	Yes	Yes	-
Type	DC DC Regulator	DC DC Regulator	DC DC Regulator	-
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	-
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 105°C (TJ)	-40°C ~ 105°C (TJ)	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Voltage - Supply (Max)	10V	10V	10V	-
Topology	Step-Up (Boost)	Step-Up (Boost)	Step-Up (Boost)	-
Package / Case	SOT-23-5 Thin, TSOT-23-5	SOT-23-5 Thin, TSOT-23-5	SOT-23-5 Thin, TSOT-23-5	-
Number of Outputs	1	1	1	-

### MIC2287YD5-TR Datasheet PDF

Download MIC2287YD5-TR pdf datasheets and Microchip Technology documentation for MIC2287YD5-TR - Microchip Technology.

#### Datasheets

[MIC2287.pdf](#)

#### PCN Packaging

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

#### PCN Assembly/Origin



















[Manufacturing Change 26/Mar/2021.pdf](#)



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

## Customers Also Interested in

### Recommended Products

					
<b>MIC2288BML</b>	<b>MIC2287C-24BML</b>	<b>MIC2288YD5</b>	<b>MIC2287YD5/TR</b>	<b>MIC2287CBD5</b>	<b>MIC2287C-34YML</b>
Micrel / Microchip Technology	MIC	N/A	Micrel / Microchip Technology	Microchip Technology IC LED DRVR RGLTR PWM TSOT23-5	Micrel / Microchip Technology
					
<b>MIC2288YD5-TR</b>	<b>MIC2288YML</b>	<b>MIC2287C-24YML</b>	<b>MIC2287C-34YMLTR</b>	<b>MIC2287YD5</b>	<b>MIC2287YD5TR</b>
Microchip Technology IC REG BOOST ADJ 1.2A TSOT23-5	MIC	Micrel / Microchip Technology	Micrel / Microchip Technology	Micrel / Microchip Technology	Micrel / Microchip Technology
					
<b>MIC2288BD5</b>	<b>MIC2287S-24YML</b>	<b>MIC2288YD5/TR</b>	<b>MIC2287CYD5-TR</b>	<b>MIC2287CBD5/TR</b>	<b>MIC2289-15BML</b>
Micrel / Microchip Technology	Micrel / Microchip Technology	Micrel / Microchip Technology	Microchip Technology IC LED DRVR RGLTR PWM TSOT23-5	MIC	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

Contact us if you have any questions.

 Phone  
+00852 9146 4856

 Email  
info@allelco.com

### Certifications & Memberships



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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@allelco.com