



Image may be representation.  
See specifications for product details.



## LD2981CU50TR

Manufacturer Part Number	<b>LD2981CU50TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-LD2981CU50TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR 5V 100MA SOT89-3
Package	TO-243AA
Data sheet	<b>LD2981(AB,C)xx.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

LD2981CU50TR - STMicroelectronics.New Original in Stock. Download Linear Technology LD2981CU50TR datasheet/specifications on AllelcoElec.com.  
Request a quote for LD2981CU50TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

LD2981CU50TR Tech Specifications

LD2981CU50TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Type	Fixed
Voltage Dropout (Max)	0.375V @ 100mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	5V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	16V	Mounting Type	Surface Mount
Supplier Device Package	SOT-89-3	Current - Supply (Max)	2.6 mA
Series	-	Current - Quiescent (Iq)	150 µA
Protection Features	Over Current, Over Temperature	Current - Output	100mA
Package / Case	TO-243AA	Control Features	-
Package	Tape & Reel (TR)	Base Product Number	LD2981
PSRR	63dB (1kHz)		

### Parts with Similar Specifications

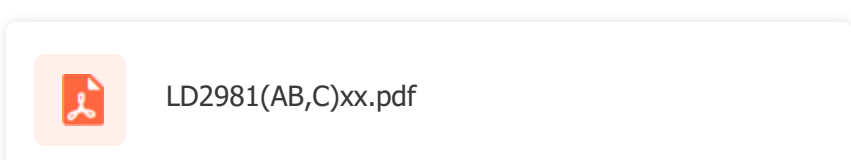
The three parts on the right have similar specifications to STMicroelectronics LD2981CU50TR

Product Attribute				
Part Number	LD2981CU50TR	LD2985AM15R	LD2981CM18TR	LD2981CM50TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
PSRR	63dB (1kHz)	45dB (1kHz)	63dB (1kHz)	63dB (1kHz)
Control Features	-	Enable	Enable	Enable
Output Configuration	Positive	Positive	Positive	Positive
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Output (Max)	-	-	-	-
Current - Output	100mA	150mA	100mA	100mA
Package / Case	TO-243AA	SC-74A, SOT-753	SC-74A, SOT-753	SC-74A, SOT-753
Output Type	Fixed	Fixed	Fixed	Fixed
Series	-	-	-	-
Voltage - Input (Max)	16V	16V	16V	16V
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature
Base Product Number	LD2981	LD2985	LD2981	LD2981
Number of Regulators	1	1	1	1
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Supply (Max)	2.6 mA	4 mA	2.6 mA	2.6 mA
Current - Quiescent (Iq)	150 µA	150 µA	150 µA	150 µA
Voltage Dropout (Max)	0.375V @ 100mA	0.575V @ 150mA	0.375V @ 100mA	0.375V @ 100mA
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Output (Min/Fixed)	5V	1.5V	1.8V	5V
Supplier Device Package	SOT-89-3	SOT-23-5	SOT-23-5	SOT-23-5

### LD2981CU50TR Datasheet PDF

Download LD2981CU50TR pdf datasheets and STMicroelectronics documentation for LD2981CU50TR - STMicroelectronics.

#### HTML Datasheet



### Customers Also Interested in

#### Recommended Products



**LD2981CM38TR**  
STMicroelectronics

**LD2985AM15R**  
STMicroelectronics  
IC REG LINEAR 1.5V 150MA SOT23-5

**LD2981CM18TR**  
STMicroelectronics  
IC REG LINEAR 1.8V 100MA SOT23-5

**LD2981CM50TR**  
STMicroelectronics  
IC REG LINEAR 5V 100MA SOT23-5

**LD2982AM47**  
STMicroelectronics

**LD2981ABU50TR**  
STMicroelectronics  
IC REG LINEAR 5V 100MA SOT89-3



**LD2982BM33R**  
STMicroelectronics  
IC REG LINEAR 3.3V 50MA SOT23-5

**LD2981CU33TR**  
STMicroelectronics  
IC REG LINEAR 3.3V 100MA SOT89-3

**LD2982BM30R**  
STMicroelectronics  
IC REG LINEAR 3V 50MA SOT23-5

**LD2981CM30TR**  
STMicroelectronics  
IC REG LINEAR 3V 100MA SOT23-5

**LD2981CM33**  
STMicroelectronics

**LD2982AM33R**  
STMicroelectronics  
IC REG LINEAR 3.3V 50MA SOT23-5



**LD2985AM18R**  
STMicroelectronics  
IC REG LINEAR 1.8V 150MA SOT23-5

**LD2982BM28R**  
STMicroelectronics

**LD2981CM33TR**  
STMicroelectronics  
IC REG LINEAR 3.3V 100MA SOT23-5

**LD2982BM33**  
STMicroelectronics

**LD2982AM50R**  
STMicroelectronics  
IC REG LINEAR 5V 50MA SOT23-5

**LD2981ABU50**  
STMicroelectronics

## 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.

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## Certifications & Memberships



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**ALLELCO LIMITED**  
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