

Image may be representation.  
See specifications for product details.



## LF33CPT-TR

Manufacturer Part Number	<b>LF33CPT-TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-LF33CPT-TR
ECAD Model	Request Free CAD Models
Parts Description	IC REG LINEAR 3.3V 500MA PPAK
Package	TO-252-5, DPak (4 Leads + Tab), TO-252AD
Data sheet	LF33CPT-TR.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

LF33CPT-TR - STMicroelectronics.New Original in Stock. Download Linear Technology LF33CPT-TR datasheet/specifications on AllelcoElec.com.  
Request a quote for LF33CPT-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

LF33CPT-TR Tech Specifications

LF33CPT-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Type	Fixed
Voltage Dropout (Max)	0.7V @ 500mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	3.3V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	16V	Mounting Type	Surface Mount
Supplier Device Package	PPAK	Current - Supply (Max)	12 mA
Series	-	Current - Quiescent (Iq)	1 mA
Protection Features	Over Current, Over Temperature	Current - Output	500mA
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	Control Features	Enable
Package	Tape & Reel (TR)	Base Product Number	LF33
PSRR	80dB ~ 65dB (120Hz ~ 65dB)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics LF33CPT-TR

Product Attribute				
Part Number	LF33CPT-TR	<b>LF33ABPT</b>	<b>LF33ABDT-TR</b>	<b>LF33CV</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Number of Regulators	1	1	1	1
Voltage - Input (Max)	16V	16V	16V	16V
Control Features	Enable	Enable	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Voltage Dropout (Max)	0.7V @ 500mA	0.7V @ 500mA	0.7V @ 500mA	0.7V @ 500mA
Series	-	-	-	-
Output Configuration	Positive	Positive	Positive	Positive
Current - Supply (Max)	12 mA	12 mA	12 mA	12 mA
Voltage - Output (Min/Fixed)	3.3V	3.3V	3.3V	3.3V
Supplier Device Package	PPAK	PPAK	DPAK	TO-220
Current - Output	500mA	500mA	500mA	500mA
PSRR	80dB ~ 65dB (120Hz ~ 65dB)	80dB ~ 65dB (120Hz ~ 65dB)	80dB ~ 65dB (120Hz ~ 65dB)	80dB ~ 65dB (120Hz ~ 65dB)
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature
Voltage - Output (Max)	-	-	-	-
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	TO-252-5, DPak (4 Leads + Tab), TO-252AD	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-220-3
Output Type	Fixed	Fixed	Fixed	Fixed
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tube
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Current - Quiescent (Iq)	1 mA	1 mA	1 mA	1 mA
Base Product Number	LF33	LF33	LF33	LF33

## LF33CPT-TR Datasheet PDF

Download LF33CPT-TR pdf datasheets and STMicroelectronics documentation for LF33CPT-TR - STMicroelectronics.

### PCN Design/Specification












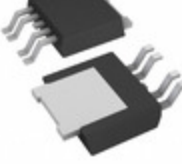



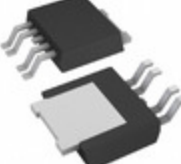


Back Metal Conversion 21/Jun/2016.pdf

### PCN Assembly/Origin

Mult Devices 02/Mar/2018.pdf

## Customers Also Interested in

### Recommended Products

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<b>LF33CDT-TR MOS</b> STMicroelectronics	<b>LF347D</b> STMicroelectronics IC OPAMP JFET 4 CIRCUIT 14SO	<b>LF33ABDT-TR/1HM</b> STMicroelectronics	<b>LF347BD</b> Texas Instruments IC OPAMP JFET 4 CIRCUIT 14SOIC	<b>LF33ABPT</b> STMicroelectronics IC REG LINEAR 3.3V 500MA PPAK	<b>LF33ABDT-TR</b> STMicroelectronics IC REG LINEAR 3.3V 500MA DPAK
					
<b>LF347BN LF347N</b> NS	<b>LF33CV</b> STMicroelectronics IC REG LINEAR 3.3V 500MA TO220AB	<b>LF347BN</b> onsemi IC OPAMP JFET 4 CIRCUIT 14DIP	<b>LF33CV-DG</b> STMicroelectronics IC REG LINEAR 3.3V 500MA TO220	<b>LF347BDR</b> Texas Instruments IC OPAMP JFET 4 CIRCUIT 14SOIC	<b>LF33CPT-TRY</b> STMicroelectronics IC REG LINEAR 3.3V 500MA PPAK
					
<b>LF33CDT-TRY</b> STMicroelectronics IC REG LINEAR 3.3V 500MA DPAK	<b>LF33CPT</b> STMicroelectronics IC REG LINEAR 3.3V 500MA PPAK	<b>LF33CDT-TR</b> STMicroelectronics IC REG LINEAR 3.3V 500MA DPAK	<b>LF33ABPT-TR</b> STMicroelectronics IC REG LINEAR 3.3V 500MA PPAK	<b>LF33CDT</b> STMicroelectronics IC REG LINEAR 3.3V 500MA DPAK	<b>LF347BN</b> Texas Instruments LF347B WIDE-BANDWIDTH JFET-INPUT

## 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 -

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