



Image may be representation.
See specifications for product details.



TSC101AILT

Manufacturer Part Number	TSC101AILT
Manufacturer	STMicroelectronics
Allelco Part Number	32D-TSC101AILT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC CURR SENSE 1 CIRCUIT SOT23-5
Package	SC-74A, SOT-753
Data sheet	TSC101.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TSC101AILT - STMicroelectronics.New Original in Stock. Download Linear Technology TSC101AILT datasheet/specifications on AllelcoElec.com.
Request a quote for TSC101AILT, please send us email: info@allelco.com

Specifications

TSC101AILT Tech Specifications
TSC101AILT - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 125°C
Voltage - Supply Span (Min)	4 V	Number of Circuits	1
Voltage - Supply Span (Max)	24 V	Mounting Type	Surface Mount
Voltage - Input Offset	200 µV	Current - Supply	165µA
Supplier Device Package	SOT-23-5	Current - Output / Channel	60 mA
Slew Rate	0.9V/µs	Current - Input Bias	5.5 µA
Series	-	Base Product Number	TSC101
Package / Case	SC-74A, SOT-753	Amplifier Type	Current Sense
Package	Tape & Reel (TR)	-3db Bandwidth	500 kHz
Output Type	-		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TSC101AILT

Product Attribute				
Part Number	TSC101AILT	TSC101CIYLT	TSC1031IDT	TSC102IYPT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
-3db Bandwidth	500 kHz	450 kHz	700 kHz	800 kHz
Supplier Device Package	SOT-23-5	SOT-23-5	8-SOIC	8-TSSOP
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Output Type	-	-	-	-
Voltage - Supply Span (Max)	24 V	24 V	5.5 V	5.5 V
Voltage - Input Offset	200 µV	200 µV	500 µV	1.5 mV
Base Product Number	TSC101	TSC101	TSC1031	TSC102
Voltage - Supply Span (Min)	4 V	4 V	2.7 V	3.5 V
Slew Rate	0.9V/µs	0.9V/µs	0.6V/µs	0.4V/µs
Amplifier Type	Current Sense	Current Sense	Current Sense	Current Sense
Package / Case	SC-74A, SOT-753	SC-74A, SOT-753	8-SOIC (0.154", 3.90mm Width)	8-TSSOP (0.173", 4.40mm Width)
Current - Output / Channel	60 mA	60 mA	26 mA	30 mA
Current - Supply	165µA	165µA	200µA	420µA
Current - Input Bias	5.5 µA	5.5 µA	10 µA	5 µA
Number of Circuits	1	1	1	1
Series	-	Automotive, AEC-Q100	-	Automotive, AEC-Q100

TSC101AILT Datasheet PDF

Download TSC101AILT pdf datasheets and STMicroelectronics documentation for TSC101AILT - STMicroelectronics.

Datasheets

TSC101.pdf

Customers Also Interested in

Recommended Products



TSC101CIYLT STMicroelectronics IC CURR SENSE 1 CIRCUIT SOT23-5	TSC-2-1+ Mini-Circuits	TSC1031IDT STMicroelectronics IC CURRENT SENSE 1 CIRCUIT 8SOIC	TSC-106L3 OEG	TSC1021YPT STMicroelectronics IC CURR SENSE 1 CIRCUIT 8TSSOP	TSC101AIYLT STMicroelectronics IC CURR SENSE 1 CIRCUIT SOT23-5
TSC102IPT STMicroelectronics IC CURR SENSE 1 CIRCUIT 8TSSOP	TSC-112L3-DC12V OEG	TSC101BIYLT STMicroelectronics IC CURR SENSE 1 CIRCUIT SOT23-5	TSC101BILT STMicroelectronics IC CURR SENSE 1 CIRCUIT SOT23-5	TSC1031IYDT STMicroelectronics IC CURRENT SENSE 1 CIRCUIT 8SOIC	TSC101CILT STMicroelectronics IC CURR SENSE 1 CIRCUIT SOT23-5
TSC-112L3H OEG	TSC1021AIPT STMicroelectronics IC CURR SENSE 1 CIRCUIT 8TSSOP	TSC1021BIPT STMicroelectronics IC CURR SENSE 1 CIRCUIT 8TSSOP	TSC-109L3H OEG	TSC-1310D 5.0 Renesas Electronics Corporation	TSC-105L3-5V OEG

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.



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Cost-Saving Procurement



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Contact us if you have any questions.



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info@allelco.com

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