

Image may be representation.
See specifications for product details.



TSX631AILT

Manufacturer Part Number	TSX631AILT
Manufacturer	STMicroelectronics
Allelco Part Number	32D-TSX631AILT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC OPAMP GP 1 CIRCUIT SOT23-5
Package	SC-74A, SOT-753
Data sheet	TSX631/2/4(A).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TSX631AILT - STMicroelectronics.New Original in Stock. Download Linear Technology TSX631AILT datasheet/specifications on AllelcoElec.com.
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Specifications

TSX631AILT Tech Specifications

TSX631AILT - 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)	3.3 V	Number of Circuits	1
Voltage - Supply Span (Max)	16 V	Mounting Type	Surface Mount
Voltage - Input Offset	500 µV	Gain Bandwidth Product	200 kHz
Supplier Device Package	SOT-23-5	Current - Supply	45µA
Slew Rate	0.12V/µs	Current - Output / Channel	92 mA
Series	-	Current - Input Bias	1 pA
Package / Case	SC-74A, SOT-753	Base Product Number	TSX631
Package	Tape & Reel (TR)	Amplifier Type	General Purpose
Output Type	Rail-to-Rail		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TSX631AILT

Product Attribute				
Part Number	TSX631AILT	TSX562IST	TSX634AIYPT	TSX632AIYST
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Output / Channel	92 mA	92 mA	92 mA	92 mA
Current - Input Bias	1 pA	1 pA	1 pA	1 pA
Number of Circuits	1	2	4	2
Supplier Device Package	SOT-23-5	8-MiniSO	14-TSSOP	8-MiniSO
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Voltage - Supply Span (Min)	3.3 V	3 V	3.3 V	3.3 V
Current - Supply	45µA	250µA	45µA	45µA
Slew Rate	0.12V/µs	1.1V/µs	0.12V/µs	0.12V/µs
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	TSX631	TSX562	TSX634	TSX632
Voltage - Supply Span (Max)	16 V	16 V	16 V	16 V
Package / Case	SC-74A, SOT-753	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	14-TSSOP (0.173", 4.40mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Voltage - Input Offset	500 µV	1 mV	700 µV	700 µV
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
Gain Bandwidth Product	200 kHz	900 kHz	200 kHz	200 kHz
Amplifier Type	General Purpose	CMOS	CMOS	CMOS
Series	-	Automotive, AEC-Q100	Automotive, AEC-Q100	Automotive, AEC-Q100

TSX631AILT Datasheet PDF

Download TSX631AILT pdf datasheets and STMicroelectronics documentation for TSX631AILT - STMicroelectronics.

Datasheets

[TSX631/2/4\(A\).pdf](#)

PCN Packaging

[Moisture Barrier Bag 09/May/2016.pdf](#)

PCN Assembly/Origin

[New Lead-Frame 01/Sep/2020.pdf](#)

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Recommended Products



TSX562IST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



TSX634AIYPT

STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP



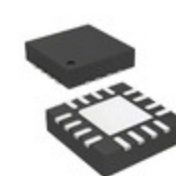
TSX632AIYST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



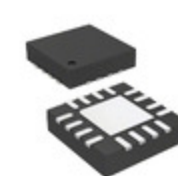
TSX562IYST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



TSX634IQ4T

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IC CMOS 4 CIRCUIT 16QFN



TSX564IQ4T

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IC CMOS 4 CIRCUIT 16QFN



TSX711AILT

STMicroelectronics
IC OPAMP GP 1 CIRCUIT SOT23-5



TSX562AIYST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



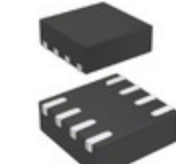
TSX632AIYST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



TSX561IYLT

STMicroelectronics
IC OPAMP GP 1 CIRCUIT SOT23-5



TSX562IQ2T

STMicroelectronics
IC CMOS 2 CIRCUIT 8DFN



TSX562AIYST

STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO



TSX564IPT

STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP



TSX632IQ2T

STMicroelectronics
IC CMOS 2 CIRCUIT 8DFN



TSX631IYLT

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IC OPAMP GP 1 CIRCUIT SOT23-5



TSX632IYST

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IC CMOS 2 CIRCUIT 8MINISO



TSX564AIPT

STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP



TSX634IPT

STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP

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:

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Cost-Saving Procurement



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