



Image may be representation.  
See specifications for product details.



## TSV852AIDT

Manufacturer Part Number	<b>TSV852AIDT</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-TSV852AIDT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC OPAMP GP 2 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>TSV85x(A).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TSV852AIDT - STMicroelectronics.New Original in Stock. Download Linear Technology TSV852AIDT datasheet/specifications on AllelcoElec.com.  
Request a quote for TSV852AIDT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TSV852AIDT Tech Specifications

TSV852AIDT - 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)	2.5 V	Number of Circuits	2
Voltage - Supply Span (Max)	5.5 V	Mounting Type	Surface Mount
Voltage - Input Offset	800 µV	Gain Bandwidth Product	1.3 MHz
Supplier Device Package	8-SOIC	Current - Supply	130µA (x2 Channels)
Slew Rate	0.7V/µs	Current - Output / Channel	70 mA
Series	Automotive, AEC-Q100	Current - Input Bias	27 nA
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	TSV852
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 TSV852AIDT

Product Attribute				
Part Number	TSV852AIDT	TSV851IYLT	TSV734IQ4T	TSV792IYST
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gain Bandwidth Product	1.3 MHz	1.3 MHz	900 kHz	50 MHz
Number of Circuits	2	1	4	2
Series	Automotive, AEC-Q100	Automotive, AEC-Q100	-	-
Current - Supply	130µA (x2 Channels)	130µA	58µA (x4 Channels)	5.5mA (x2 Channels)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Output / Channel	70 mA	70 mA	68 mA	70 mA
Base Product Number	TSV852	TSV851	TSV734	-
Voltage - Supply Span (Max)	5.5 V	5.5 V	5.5 V	5.5 V
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Current - Input Bias	27 nA	27 nA	1 pA	2 pA
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Input Offset	800 µV	4 mV	200 µV	200 µV
Voltage - Supply Span (Min)	2.5 V	2.5 V	1.5 V	2.2 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-SOIC (0.154", 3.90mm Width)	SC-74A, SOT-753	16-VFQFN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Amplifier Type	General Purpose	General Purpose	CMOS	General Purpose
Supplier Device Package	8-SOIC	SOT-23-5	16-QFN (3x3)	8-MiniSO
Slew Rate	0.7V/µs	0.7V/µs	0.35V/µs	30V/µs

### TSV852AIDT Datasheet PDF

Download TSV852AIDT pdf datasheets and STMicroelectronics documentation for TSV852AIDT - STMicroelectronics.

#### Datasheets

[TSV85x\(A\).pdf](#)

#### PCN Design/Specification

[New Material Set for SO8 & SO14 Pkg 18/Nov/2015.pdf](#)

#### PCN Packaging

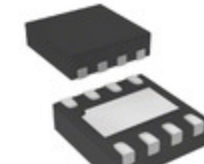
[Mult Dev Cover Tape Chg 14/Aug/2019.pdf](#)



Mult Devices Lead Frame 12/Jan/2018.pdf

## Customers Also Interested in

### Recommended Products

**TSV851IYLT**STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5**TSV734IQ4T**STMicroelectronics  
IC CMOS 4 CIRCUIT 16QFN**TSV792IYST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8MINISO**TSV852AIST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8MINISO**TSV852IQ2T**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8DFN**TSV851ILT**STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5**TSV852AIYST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8MINISO**TSV714IQ4T**STMicroelectronics  
IC CMOS 4 CIRCUIT 16QFN**TSV852IYDT**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8SOIC**TSV852IDT**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8SOIC**TSV852AIYDT**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8SOIC**TSV851AILT**STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5**TSV850AILT**STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-6**TSV851ICT**STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SC70-5**TSV852IST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 8MINISO**TSV853IST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 10MINISO**TSV732IST**STMicroelectronics  
IC CMOS 2 CIRCUIT 8MINISO**TSV853AIST**STMicroelectronics  
IC OPAMP GP 2 CIRCUIT 10MINISO

## 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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Fast Sourcing &  
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Contact us if you have any questions.



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## Certifications & Memberships



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