



Image may be representation.  
See specifications for product details.



## TSV612IDT

Manufacturer Part Number	<b>TSV612IDT</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-TSV612IDT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC CMOS 2 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>TSV61x(A).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TSV612IDT - STMicroelectronics.New Original in Stock. Download Linear Technology TSV612IDT datasheet/specifications on AllelcoElec.com.  
Request a quote for TSV612IDT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TSV612IDT Tech Specifications  
TSV612IDT - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 85°C
Voltage - Supply Span (Min)	1.5 V	Number of Circuits	2
Voltage - Supply Span (Max)	5.5 V	Mounting Type	Surface Mount
Voltage - Input Offset	4 mV	Gain Bandwidth Product	120 kHz
Supplier Device Package	8-SOIC	Current - Supply	10.5µA
Slew Rate	0.04V/µs	Current - Output / Channel	63 mA
Series	-	Current - Input Bias	1 pA
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	TSV612
Package	Tape & Reel (TR)	Amplifier Type	CMOS
Output Type	Rail-to-Rail		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TSV612IDT

Product Attribute				
Part Number	TSV612IDT	TSV6192AID	TSV612AIDT	TSV611ICT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Series	-	-	-	-
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	5-TSSOP, SC-70-5, SOT-353
Current - Supply	10.5µA	10.5µA	10.5µA	10.5µA
Voltage - Input Offset	4 mV	800 µV	800 µV	4 mV
Current - Output / Channel	63 mA	63 mA	63 mA	63 mA
Gain Bandwidth Product	120 kHz	450 kHz	120 kHz	120 kHz
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	SC-70-5
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Current - Input Bias	1 pA	1 pA	1 pA	1 pA
Amplifier Type	CMOS	CMOS	CMOS	General Purpose
Slew Rate	0.04V/µs	0.08V/µs	0.04V/µs	0.04V/µs
Base Product Number	TSV612	TSV6192	TSV612	TSV611
Voltage - Supply Span (Max)	5.5 V	5.5 V	5.5 V	5.5 V
Number of Circuits	2	2	2	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Voltage - Supply Span (Min)	1.5 V	1.5 V	1.5 V	1.5 V

### TSV612IDT Datasheet PDF

Download TSV612IDT pdf datasheets and STMicroelectronics documentation for TSV612IDT - STMicroelectronics.

#### Datasheets

[TSV61x\(A\).pdf](#)

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

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

#### PCN Design/Specification

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



Mult Devices Lead Frame 12/Jan/2018.pdf

## Customers Also Interested in

### Recommended Products



**TSV6192AID**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8SOIC



**TSV612AIDT**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8SOIC



**TSV611ICT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SC70-5



**TSV6192AIDT**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8SOIC



**TSV6192ID**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8SOIC



**TSV611AICT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SC70-5



**TSV611AILT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5



**TSV611ILT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5



**TSV6191ICT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SC70-5



**TSV6192IDT**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8SOIC



**TSV612AIST**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8MINISO



**TSV524AIYPT**  
STMicroelectronics  
IC CMOS 4 CIRCUIT 14TSSOP



**TSV524IYPT**  
STMicroelectronics  
IC CMOS 4 CIRCUIT 14TSSOP



**TSV524IQ4T**  
STMicroelectronics  
IC CMOS 4 CIRCUIT 16QFN



**TSV612IST**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8MINISO



**TSV6191ILT**  
STMicroelectronics  
IC OPAMP GP 1 CIRCUIT SOT23-5



**TSV524IPT**  
STMicroelectronics  
IC CMOS 4 CIRCUIT 14TSSOP



**TSV6192IST**  
STMicroelectronics  
IC CMOS 2 CIRCUIT 8MINISO

## 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.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com