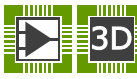





Image may be representation.
See specifications for product details.



TSV522IST

Manufacturer Part Number	TSV522IST
Manufacturer	STMicroelectronics
Allelco Part Number	32D-TSV522IST
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	IC CMOS 2 CIRCUIT 8MINISO
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	TSV521/2/4(A).pdf
RoHs Status	 ROHS3 Compliant

[Get a Quote](#)

TSV522IST - STMicroelectronics.New Original in Stock. Download Linear Technology TSV522IST datasheet/specifications on AllelcoElec.com.
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Specifications





TSV522IST Tech Specifications

TSV522IST - 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)	2.7 V	Number of Circuits	2
Voltage - Supply Span (Max)	5.5 V	Mounting Type	Surface Mount
Voltage - Input Offset	1 mV	Gain Bandwidth Product	1.15 MHz
Supplier Device Package	8-MiniSO	Current - Supply	45µA (x2 Channels)
Slew Rate	0.89V/µs	Current - Output / Channel	55 mA
Series	Automotive, AEC-Q100	Current - Input Bias	1 pA
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	TSV522
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 TSV522IST

Product Attribute				
Part Number	TSV522IST	TSV522IYST	TSV611ILT	TSV358IYDT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	8-MiniSO	8-MiniSO	SOT-23-5	8-SOIC
Voltage - Input Offset	1 mV	1 mV	4 mV	200 µV
Slew Rate	0.89V/µs	0.89V/µs	0.04V/µs	0.6V/µs
Current - Supply	45µA (x2 Channels)	45µA (x2 Channels)	10.5µA	500µA
Voltage - Supply Span (Min)	2.7 V	2.7 V	1.5 V	2.5 V
Current - Output / Channel	55 mA	55 mA	63 mA	80 mA
Series	Automotive, AEC-Q100	Automotive, AEC-Q100	-	Automotive, AEC-Q100
Number of Circuits	2	2	1	2
Base Product Number	TSV522	TSV522	TSV611	TSV358
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	SC-74A, SOT-753	8-SOIC (0.154", 3.90mm Width)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Amplifier Type	CMOS	CMOS	General Purpose	General Purpose
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply Span (Max)	5.5 V	5.5 V	5.5 V	6 V
Gain Bandwidth Product	1.15 MHz	1.15 MHz	120 kHz	1.4 MHz
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Current - Input Bias	1 pA	1 pA	1 pA	70 nA


TSV522IST Datasheet PDF

Download TSV522IST pdf datasheets and STMicroelectronics documentation for TSV522IST - STMicroelectronics.

Datasheets

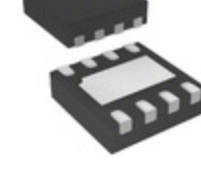

[TSV521/2/4\(A\).pdf](#)

PCN Assembly/Origin


[New assembly site 09/Nov/2020.pdf](#)

Customers Also Interested in

Recommended Products

**TSV522IYST**STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO**TSV611ILT**STMicroelectronics
IC OPAMP GP 1 CIRCUIT SOT23-5**TSV358IYDT**STMicroelectronics
IC OPAMP GP 2 CIRCUIT 8SOIC**TSV358IDT**STMicroelectronics
IC OPAMP GP 2 CIRCUIT 8SOIC**TSV524IYPT**STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP**TSV521AICT**STMicroelectronics
IC CMOS 1 CIRCUIT SC70-5**TSV611ICT**STMicroelectronics
IC OPAMP GP 1 CIRCUIT SC70-5**TSV612AIDT**STMicroelectronics
IC CMOS 2 CIRCUIT 8SOIC**TSV522AIQ2T**STMicroelectronics
IC CMOS 2 CIRCUIT 8DFN**TSV611AICT**STMicroelectronics
IC OPAMP GP 1 CIRCUIT SC70-5**TSV522AIYST**STMicroelectronics
IC CMOS 2 CIRCUIT 8MINISO**TSV521ICT**STMicroelectronics
IC OPAMP GP 1 CIRCUIT SC70-5**TSV358IST**STMicroelectronics
IC OPAMP GP 2 CIRCUIT 8MINISO**TSV524AIYPT**STMicroelectronics
IC CMOS 4 CIRCUIT 14TSSOP**TSV524IQ4T**STMicroelectronics
IC CMOS 4 CIRCUIT 16QFN**TSV611AILT**STMicroelectronics
IC OPAMP GP 1 CIRCUIT SOT23-5**TSV522IQ2T**STMicroelectronics
IC CMOS 2 CIRCUIT 8DFN**TSV524IPT**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.

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