

Image may be representation.  
See specifications for product details.



## TSZ121ICT

|                          |                                                |
|--------------------------|------------------------------------------------|
| Manufacturer Part Number | <b>TSZ121ICT</b>                               |
| Manufacturer             | <b>STMicroelectronics</b>                      |
| Allelco Part Number      | 32D-TSZ121ICT                                  |
| ECAD Model               | PCB Symbol, Footprint & 3D Model               |
| Parts Description        | IC OPAMP ZERO-DRIFT 1CIRC SC70-5               |
| Package                  | 5-TSSOP, SC-70-5, SOT-353                      |
| Data sheet               | <a href="#">TSZ121, 122, 124 Datasheet.pdf</a> |
|                          | <a href="#">TSZ121, 122, 124 Datasheet.pdf</a> |
| RoHs Status              | ROHS3 Compliant                                |

**Get a Quote**

TSZ121ICT - STMicroelectronics.New Original in Stock. Download Linear Technology TSZ121ICT datasheet/specifications on AllelcoElec.com.  
Request a quote for TSZ121ICT, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

TSZ121ICT Tech Specifications

TSZ121ICT - 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) | 1.8 V                     | Number of Circuits         | 1               |
| Voltage - Supply Span (Max) | 5.5 V                     | Mounting Type              | Surface Mount   |
| Voltage - Input Offset      | 1 µV                      | Gain Bandwidth Product     | 400 kHz         |
| Supplier Device Package     | SC-70-5                   | Current - Supply           | 31µA            |
| Slew Rate                   | 0.19V/µs                  | Current - Output / Channel | 18 mA           |
| Series                      | -                         | Current - Input Bias       | 70 pA           |
| Package / Case              | 5-TSSOP, SC-70-5, SOT-353 | Base Product Number        | TSZ121          |
| Package                     | Tape & Reel (TR)          | Amplifier Type             | Zero-Drift      |
| Output Type                 | Rail-to-Rail              |                            |                 |

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TSZ121ICT

| Product Attribute           |                           |                    |                    |                                        |
|-----------------------------|---------------------------|--------------------|--------------------|----------------------------------------|
| Part Number                 | TSZ121ICT                 | BD7561SG-TR        | TSZ181ILT          | TSZ122IYST                             |
| Manufacturer                | STMicroelectronics        | Rohm Semiconductor | STMicroelectronics | STMicroelectronics                     |
| Supplier Device Package     | SC-70-5                   | 5-SSOP             | SOT-23-5           | 8-MiniSO                               |
| Current - Supply            | 31µA                      | 440µA              | 800µA              | 31µA (x2 Channels)                     |
| Current - Output / Channel  | 18 mA                     | 1 mA               | 29 mA              | 18 mA                                  |
| Package                     | Tape & Reel (TR)          | Tape & Reel (TR)   | Tape & Reel (TR)   | Tape & Reel (TR)                       |
| Voltage - Input Offset      | 1 µV                      | 1 mV               | 1 µV               | 1 µV                                   |
| Voltage - Supply Span (Min) | 1.8 V                     | 5 V                | 2.2 V              | 1.8 V                                  |
| Number of Circuits          | 1                         | 1                  | 1                  | 2                                      |
| Voltage - Supply Span (Max) | 5.5 V                     | 14.5 V             | 5.5 V              | 5.5 V                                  |
| Package / Case              | 5-TSSOP, SC-70-5, SOT-353 | SC-74A, SOT-753    | SC-74A, SOT-753    | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) |
| Gain Bandwidth Product      | 400 kHz                   | 1 MHz              | 3 MHz              | 400 kHz                                |
| Slew Rate                   | 0.19V/µs                  | 1V/µs              | 4.7V/µs            | 0.19V/µs                               |
| Amplifier Type              | Zero-Drift                | General Purpose    | Zero-Drift         | Zero-Drift                             |
| Base Product Number         | TSZ121                    | BD7561             | TSZ181             | TSZ122                                 |
| Series                      | -                         | -                  | -                  | Automotive, AEC-Q100                   |
| Output Type                 | Rail-to-Rail              | Rail-to-Rail       | Rail-to-Rail       | Rail-to-Rail                           |
| Current - Input Bias        | 70 pA                     | 1 pA               | 30 pA              | 70 pA                                  |
| Operating Temperature       | -40°C ~ 125°C             | -40°C ~ 105°C      | -40°C ~ 125°C      | -40°C ~ 125°C                          |
| Mounting Type               | Surface Mount             | Surface Mount      | Surface Mount      | Surface Mount                          |

## TSZ121ICT Datasheet PDF

Download TSZ121ICT pdf datasheets and STMicroelectronics documentation for TSZ121ICT - STMicroelectronics.

### Datasheets

[TSZ121, 122, 124 Datasheet.pdf](#)

### PCN Packaging

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




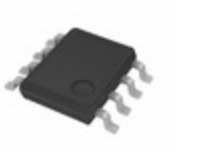






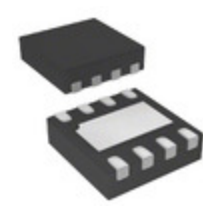







### PCN Assembly/Origin

[Mult Dev 14/Nov/2022.pdf](#)

 TSZ121, 122, 124 Datasheet.pdf

**Customers Also Interested in**

**Recommended Products**

|                                                                                                                                                              |                                                                                                                                                                  |                                                                                                                                                                               |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>BD7561SG-TR</b><br>Rohm Semiconductor<br>IC OPAMP GP 1 CIRCUIT 5SSOP | <br><b>TSZ181ILT</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 1CIRC SOT23-5  | <br><b>TSZ16J47S</b><br>TAEC Product (Toshiba Electronic Devices and Storage)<br>IGBT Module | <br><b>TSZ122IYST</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 2CIRC 8MINISO  | <br><b>TSZ1211ILT</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 1CIRC SOT23-5 | <br><b>TSZ182IYST</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 2CIRC 8MINISO  |
| <br><b>TSZU52C3V3 RZ</b><br>Taiwan Semiconductor                            | <br><b>TSZ122IYDT</b><br>STMicroelectronics<br>IC OPAMP ZERO-DRIFT 2 CIRC 8SOIC | <br><b>TSM103WAIDT</b><br>STMicroelectronics<br>Dual operational amplifier and v             | <br><b>LM7171BIMX</b><br>Texas Instruments<br>IC OPAMP VFB 200MHZ 8SOIC          | <br><b>TSZ122IQ2T</b><br>STMicroelectronics<br>IC OPAMP ZERO-DRIFT 2 CIRC 8DFN  | <br><b>TSZ182IYDT</b><br>STMicroelectronics<br>IC OPAMP ZERO-DRIFT 2 CIRC 8SO    |
| <br><b>LMV551MG</b><br>Texas Instruments<br>IC OPAMP GP 1 CIRCUIT SC70-5  | <br><b>TSZU52C5V6RZ</b><br>Taiwan Semiconductor                               | <br><b>TSZ124IPT</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 4CIRC 14TSSOP              | <br><b>TSZ182IST</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 2CIRC 8MINISO | <br><b>TSZ122IDT</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 2CIRC 8SOIC  | <br><b>TSZ122IST</b><br>STMicroelectronics<br>IC OPAMP ZER-DRIFT 2CIRC 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 -**

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Contact us if you have any questions.

|                                                                                                                  |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
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|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|

**Certifications & Memberships**



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