


## Comparator Dual $\pm 8V/16V$ 8-Pin SO N T/R



Images are for reference only

[Inquiry](#)

|                      |  |
|----------------------|--|
| <b>Manufacturer:</b> | <a href="#">STMicroelectronics, Inc</a>  |
| <b>Package/Case:</b> | SOIC-8   |
| <b>Product Type:</b> | Linear Displacement Sensors  |
| <b>RoHS:</b>         | RoHS Compliant/Lead free  |
| <b>Lifecycle:</b>    | Active   |

### General Description

The TSX3702 is a micropower CMOS dual voltage comparator which exhibits a very low current consumption of 5  $\mu A$  typical per comparator. This device was designed as the improvement of the TS3702: it shows a lower current consumption, a better input offset voltage, and an enhanced ESD tolerance. The TSX3702 is fully specified over a wide temperature range and is proposed in automotive grade for the SO8 package. It is fully compatible with the TS3702 CMOS comparator and is available with similar packages. New tiny packages (MiniSO8 and DFN8 2x2 mm) are also proposed for the TSX3702 thus allowing even more integration on applications.

### Key Features

- Low supply current: 5  $\mu A$  typ. per comparator
- Wide single supply range 2.7 V to 16 V or dual supplies ( $\pm 1.35$  V to  $\pm 8$  V)
- Extremely low input bias current: 1 pA typ.
- Input common-mode voltage range includes ground
- Push-pull output
- High input impedance: 1012  $\Omega$  typ
- Fast response time: 2.7  $\mu s$  typ. for 5 mV overdrive
- ESD tolerance: 4 kV HBM, 200 V MM

### Recommended For You

#### TS3021HLT

STMicroelectronics, Inc

SOT23-5

#### TS391HLT

STMicroelectronics, Inc

SOT23-5

#### TS912AIDT

STMicroelectronics, Inc

SOP-8

**TSZ121HLT**

STMicroelectronics, Inc  
SOT23-5

**TS3702CDT**

STMicroelectronics, Inc  
SOP-8

**TSX3702IQ2T**

STMicroelectronics, Inc  
DFN-8

**TS881HLT**

STMicroelectronics, Inc  
SOT23-5

**TSV992IYDT**

STMicroelectronics, Inc  
SOP8

**TS3022IYST**

STMicroelectronics, Inc  
MiniSO-8

**TS507CLT**

STMicroelectronics, Inc  
SOT23-5

**TS339IPT**

STMicroelectronics, Inc  
TSSOP14

**TSC103IPT**

STMicroelectronics, Inc  
TSSOP-8

**TS3021HIYLT**

STMicroelectronics, Inc  
SOT23-5

**TSC2010HYDT**

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**TS3021HIYLT**

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