


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

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

TS3702CDT Image

Images are for reference only

[Inquiry](#)

### General Description

The TS3702 is a micropower CMOS dual voltage comparator with extremely low consumption of  $9\mu A$  typ / comparator (20 times less than bipolar LM393). The push-pull CMOS output stage allows power and space saving by eliminating the external pull-up resistor required by usual open-collector output comparators. Thus response times remain similar to the LM393.

### Key Features

High input impedance:  $10^{12}\Omega$  typ

Input common-mode voltage range includes GND

Pin-to-pin and functionally compatible with bipolar LM393

Push-pull CMOS output (no external pull-up resistor required)

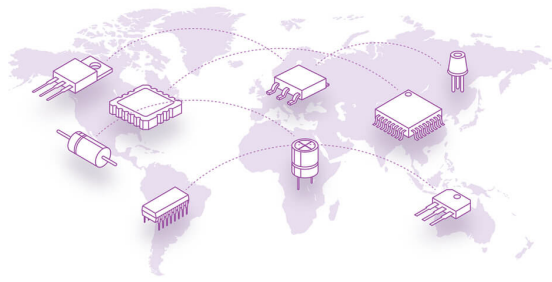
Wide single supply range:  $2.7V$  to  $16V$  or dual supplies ( $\pm 1.35V$  to  $\pm 8V$ )

Extremely low supply current:  $9\mu A$  typ / comparator

Extremely low input offset currents:  $1pA$  typ

Fast response time:  $2\mu s$  typ for  $5mV$  overdrive

Extremely low input bias current:  $1pA$  typ



## Recommended For You

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### **TS3021HLT**

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SOT23-5

### **TS391HLT**

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SOT23-5

### **TS912AIDT**

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### **TSZ121HLT**

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### **TSX3702IQ2T**

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### **TS881HLT**

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### **TSV992IYDT**

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### **TS339IPT**

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### **TS3021HYLT**

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### **TS3021HIYLT**

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### **TS972IDT**

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