

## TS3021-TS3022

# Rail-to-Rail 1.8V High-Speed Micropower Comparators

**DATA BRIEF** 

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■ Fast response time: 40ns

■ Low current consumption: 67µA

■ Rail-to-rail inputs

**■** Push-pull outputs

■ Supply operation from 1.8V to 5.5V

**■** ESD protection (2kV)

■ Latch-up immunity: 200 mA

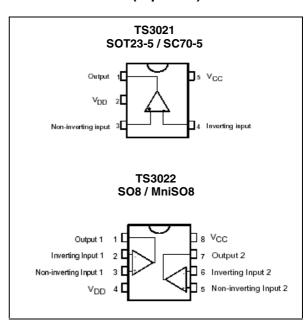
#### **Description**

The TS302x comparators are featuring high speed response time with Rail to Rail. Specified from 2V to 5V supply voltage, these comparators can operate over a wide temperature range: -40°C to +125°C. TS302x features micropower consumption as low as a few tens of microamps thus providing a excellent ratio current of power consumption versus response time. The TS302x offer push-pull outputs and small packages availability.

### **Applications**

- **■** Telecom
- **■** Instrumentation
- Signal conditioning

### Pin Connections (top view)



- High-speed sampling system
- Portable communication systems

#### **Order Codes**

Part Number	Temperature Range	Package	Packaging	Marking
TS3021ILT	-40, +125°C	SOT-23	Tape & Reel	K520
TS3021ICT		SC70-5 (tiny package)	Tape & Reel	
TS3022IST		mini SO	Tape & Reel	
TS3022ID/IDT		SO	Tube or Tape & Reel	

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