



TS3021-TS3022

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

DATA BRIEF

- 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

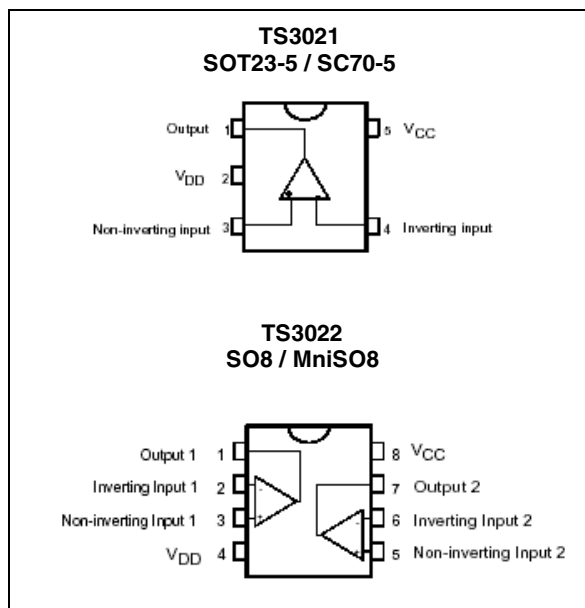
Description

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	