

## Product Overview

### TS391: Comparator, Single, Low Power, 36 V

For complete documentation, see the data sheet.

This device consists of a low-power voltage comparator designed specifically to operate from a single supply over a wide range of voltages. Operation from split power supplies is also possible. This comparator also has a unique characteristic in that the input common-mode voltage range includes ground, even though operated from a single power supply voltage.

#### Features

- Wide Supply Range
- Low Supply Current
- Low Input Bias Current
- Low Input Offset Voltage

#### Benefits

- Flexibility for low power portable, industrial, and white goods.
- Low power for portable applications and green initiatives.
- Allows for interfacing with high impedance sensors.
- Minimal error in high gain and precision applications.

#### Applications

- Power Supplies
- Battery packs
- Wireless headsets

#### End Products

- AC/DC Power Adapters

### Part Electrical Specifications

Product	Compliance	Status	Channels	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>O</sub> Typ (mA)	I <sub>CC</sub> Typ (mA)	t <sub>res</sub> Typ (ns)	V <sub>IO</sub> Max (mV)	T <sub>A</sub> Min (°C)	T <sub>A</sub> Max (°C)	Package Type
NCV391SN2T1G	AEC Qualified	Active	1	2	36	16	0.5	400	5	-40	125	TSOP-5 / SOT-23-5
	PPAP Capable											
	Pb-free											
	Halide free											
TS391SN2T1G	Pb-free Halide free	Active	1	2	36	16	0.5	400	5	-40	125	TSOP-5 / SOT-23-5

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