

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 | Pricing (\$/Unit) | Compliance | Status | Channels | V _{CC} Min (V) | V _{CC} Max (V) | I _O Typ (mA) | I _{CC} Typ (mA) | t _{res} Typ (ns) | V _{IO} Max (mV) | T _A Min (°C) | T _A Max (°C) | Package Type |
|--------------|-------------------|---|--------|----------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------|
| NCV391SN2T1G | 0.32 | AEC Qualified PPAP Capable Pb-free Halide free | Active | 1 | 2 | 36 | 16 | 0.5 | 400 | 5 | -40 | 125 | TSOP-5 / SOT-23-5 |
| TS391SN2T1G | 0.1881 | Pb-free Halide free | Active | 1 | 2 | 36 | 16 | 0.5 | 400 | 5 | -40 | 125 | TSOP-5 / SOT-23-5 |

For more information please contact your local sales support at www.onsemi.com.

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