

## Product Overview

### NCV2393: Comparator, Dual, CMOS, 16 V Supply

For complete documentation, see the data sheet.

The NCV2393 is a micropower CMOS dual voltage comparator. It features extremely low consumption of 6  $\mu$ A typical per comparator and operates over a wide temperature range of  $T_A = -40$  to  $125^\circ\text{C}$ . The NCV2393 is available in an SOIC-8 package.

#### Features

- Extremely Low Supply Current: 6  $\mu$ A Typical Per Channel
- Wide Supply Range: 2.7 to 16 V
- Extremely Low Input Bias Current: 1 pA Typical
- Extremely Low Input Offset Current: 1 pA Typical
- Input Common Mode Range Includes VSS
- High Input Impedance: 1012  $\Omega$
- Pin-to-Pin Compatibility with Dual Bipolar LM393
- NCV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AECQ100 Qualified and PPAP Capable

#### Benefits

- Low power consumption
- Compatible with a large range of supply voltages
- High input impedance
- Higher accuracy
- Wide input voltage range
- High input impedance maintains input signal voltage
- Drop-in replacement
- Meets automotive standards

#### End Products

#### 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 ( $^\circ\text{C}$ )	$T_A$ Max ( $^\circ\text{C}$ )	Package Type
NCV2393DR2G	0.3	AEC Qualified PPAP Capable Pb-free Halide free	Active	2	2.7	16	20	0.006	1000	14	-40	125	SOIC-8

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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