

## Product Overview

### LM239: Comparator, Quad, Single Supply, 36 V

For complete documentation, see the data sheet.

This comparator is designed for use in level detection, low-level sensing and memory applications in consumer automotive and industrial electronic applications.

### Features

- Single or Split Supply Operation
- Low Input Bias Current: 25 nA (Typ)
- Low Input Offset Current: +/- 5.0 nA (Typ)
- Input Common Mode Voltage Range to Gnd
- Low Output Saturation Voltage: 130 mV (Typ) @ 4.0 mA
- TTL and CMOS Compatible
- ESD Clamps on the Inputs Increase Reliability without Affecting Device Operation

### 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
LM239DG	Pb-free	Active	4	3	36	16	1	1300	5	-25	85	SOIC-14
	Halide free											
LM239DR2G	Pb-free	Active	4	3	36	16	1	1300	5	-25	85	SOIC-14
	Halide free											
LM239DTBR2G	Pb-free	Active	4	3	36	16	1	1300	5	-25	85	TSSOP-14
	Halide free											

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