

Product Overview

LM2901: 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.

Automotive Grade Available: NCV2901

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

Applications

- Signal Conditioning

End Products

- Industrial
- Automotive
- Consumer

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
LM2901DR2G	0.1069	Pb-free Halide free non AEC-Q and PPAP	Active	4	3	36	16	1	1300	7	-40	105	SOIC-14
LM2901DTBR2G	0.1459	Pb-free Halide free non AEC-Q and PPAP	Active	4	3	36	16	1	1300	7	-40	105	TSSOP-14
LM2901EDR2G	0.1195	Pb-free Halide free non AEC-Q and PPAP	Active	4	3	36	16	1	300	7	-40	105	SOIC-14
LM2901VDR2G	0.162	Pb-free Halide free non AEC-Q and PPAP	Active	4	3	36	16	1	1300	7	-40	125	SOIC-14
LM2901VDTBR2G	0.1729	Pb-free Halide free non AEC-Q and PPAP	Active	4	3	36	16	1	1300	7	-40	125	TSSOP-14

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

Created on: 5/8/2021