



Product Overview

NLU2G14: Dual Inverter with Schmitt Trigger Input

For complete documentation, see the data sheet

Product Description

The NLU2G14 MiniGate™ is an advanced high speed CMOS dual Schmitt trigger inverter in ultra small footprint. The NLU2G14 input and output structures provide protection when voltages up to 7.0 volts are applied, regardless of the supply voltage. The NLU2G14 can be used to enhance noise immunity or to square up slowly changing waveforms.

Features

- High Speed:  $t_{PD} = 4.0\text{ ns (Typ)}$  at  $V_{CC} = 5.0\text{ V}$
- Low Power Dissipation:  $I_{sub>CC</sub>} = 1\text{ }\mu\text{A (Max)}$  at  $T_A = 25^{\circ}\text{C}$
- Power Down Protection Provided on inputs
- Balanced Propagation Delays
- Overvoltage Tolerant (OVT) Input and Output Pins
- Ultra Small Pb Free Package

Applications

- General Purpose Logic

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
NLU2G14MUTCG	Pb-free Halide free	Active	Inverter	2	1.65	5.5	8.6	8	UDFN-6

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

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