



Product Overview

NLU1GU04: Unbuffered Single Inverter

For complete documentation, see the data sheet

Product Description

The NLU1GU04 MiniGate™ is an advanced high speed CMOS unbuffered inverter in ultra small footprint. This device is well suited for use in oscillator, pulse shaping and high input impedance amplifier applications. For digital applications, the NLU1G04 is recommended. The NLU1GU04 input and output structures provide protection when voltages up to 7.0 volts are applied, regardless of the supply voltage.

Features

- High Speed: $t_{PD} = 2.5$ ns (Typ) at $V_{CC} = 5.0$ V
- Low Power Dissipation: $I_{CC} = 1$ μ 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_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
NLU1GU04AMUTCG	Pb-free Halide free	Active	Inverter	1	1.65	5.5	5.5	8	UDFN-6
NLU1GU04CMUTCG	Pb-free Halide free	Active	Inverter	1	1.65	5.5	5.5	8	UDFN-6
NLU1GU04MUTCG	Pb-free Halide free	Active	Inverter	1	1.65	5.5	5.5	8	UDFN-6

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

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