

## Product Overview

### NLU1GU04: Unbuffered Single Inverter

For complete documentation, see the data sheet.

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:  $I_{CC} = 1$   $\mu$ A (Max) at  $T_A = 25^\circ$ 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
NLU1GU04CMUTCG	Pb-free	Active	Inverter	1	1.65	5.5	null	null	UDFN-6
	Halide free								
NLU1GU04MUTCG	Pb-free	Active	Inverter	1	1.65	5.5	null	null	UDFN-6
	Halide free								

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