



Product Overview

NLU1G08: Single 2-Input AND Gate

For complete documentation, see the data sheet

Product Description

The NLU1G08 MiniGate™ is an advanced high speed CMOS 2 input AND gate in ultra small footprint. The NLU1G08 input and output structures provide protection when voltages up to 7.0 volts are applied, regardless of the supply voltage.

Features

- High Speed: $t_{PD} = 3.5$ 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
NLU1G08AMUTCG	Pb-free Halide free	Active	AND/NAND	1	1.65	5.5	5.9	8	UDFN-6
NLU1G08CMUTCG	Pb-free Halide free	Active	AND/NAND	1	1.65	5.5	5.9	8	UDFN-6
NLU1G08MUTCG	Pb-free Halide free	Active	AND	1	1.65	5.5	5.9	8	UDFN-6

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

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