

Product Overview

NLU1G08: Single 2-Input AND Gate

For complete documentation, see the data sheet.

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 $T_A = 25^\circ$ 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 |
|---------------|------------------------|--------|------|----------|------------------|------------------|-------------------|----------------|--------------|
| NLU1G08CMUTCG | Pb-free Halide free | Active | AND | 1 | 1.65 | 5.5 | null | null | UDFN-6 |
| NLU1G08MUTCG | Pb-free Halide free | Active | AND | 1 | 1.65 | 5.5 | null | null | UDFN-6 |

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

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