74AUP2G126

Low-power dual buffer/line driver; 3-state

Rev. 13 — 21 June 2022

Product data sheet

1. General description

The 74AUP2G126 is a dual buffer/line driver with 3-state outputs controlled by the output enable inputs (nOE). Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times. This device ensures very low static and dynamic power consumption across the entire V_{CC} range from 0.8 V to 3.6 V.

This device is fully specified for partial power down applications using I_{OFF} . The I_{OFF} circuitry disables the output, preventing the potentially damaging backflow current through the device when it is powered down.

2. Features and benefits

- Wide supply voltage range from 0.8 V to 3.6 V
- High noise immunity
- CMOS low power dissipation
- Low static power consumption; I_{CC} = 0.9 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD78 Class II
- Overvoltage tolerant inputs to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- · Input-disable feature allows floating input conditions
- I_{OFF} circuitry provides partial Power-down mode operation
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level B
- Complies with JEDEC standards:
 - JESD8-12 (0.8 V to 1.3 V)
 - JESD8-11 (0.9 V to 1.65 V)
 - JESD8-7 (1.2 V to 1.95 V)
 - JESD8-5 (1.8 V to 2.7 V)
 - JESD8C (2.7 V to 3.6 V)
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



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3. Ordering information

Table 1. Ordering information

| Type number | Package | | | |
|--------------|-------------------|--------|---|----------------|
| | Temperature range | Name | Description | Version |
| 74AUP2G126DC | -40 °C to +125 °C | VSSOP8 | plastic very thin shrink small outline package; 8 leads; body width 2.3 mm | SOT765-1 |
| 74AUP2G126GT | -40 °C to +125 °C | XSON8 | plastic extremely thin small outline package; no leads; 8 terminals; body 1 × 1.95 × 0.5 mm | SOT833-1 |
| 74AUP2G126GF | -40 °C to +125 °C | XSON8 | extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1 × 0.5 mm | SOT1089 |
| 74AUP2G126GN | -40 °C to +125 °C | XSON8 | extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm | <u>SOT1116</u> |
| 74AUP2G126GS | -40 °C to +125 °C | XSON8 | extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm | SOT1203 |
| 74AUP2G126GX | -40 °C to +125 °C | X2SON8 | plastic thermal enhanced extremely thin small outline package; no leads; 8 terminals; body 1.35 × 0.8 × 0.32 mm | SOT1233-2 |

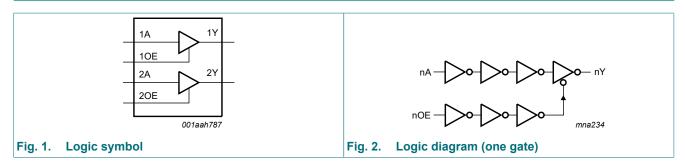
4. Marking

Table 2. Marking codes

| Type number | Marking code[1] |
|--------------|-----------------|
| 74AUP2G126DC | p26 |
| 74AUP2G126GT | p26 |
| 74AUP2G126GF | pN |
| 74AUP2G126GN | pN |
| 74AUP2G126GS | pN |
| 74AUP2G126GX | pN |

^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram

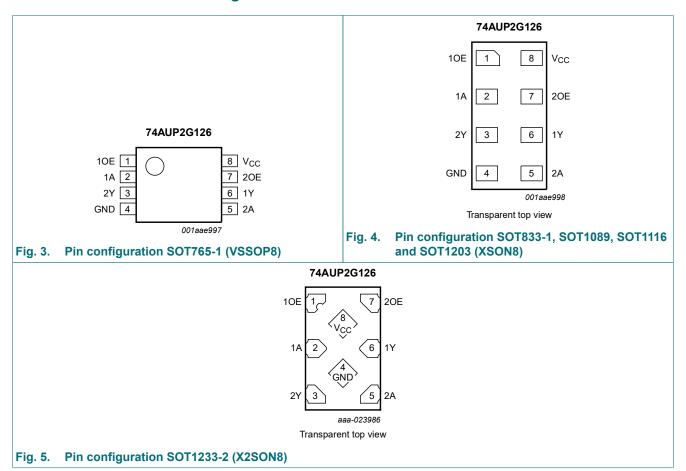


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6. Pinning information

6.1. Pinning



6.2. Pin description

Table 3. Pin description

| Symbol | Pin | Description |
|-----------------|------|-----------------------------------|
| 10E, 20E | 1, 7 | output enable input (active HIGH) |
| 1A, 2A | 2, 5 | data input |
| 1Y, 2Y | 6, 3 | data output |
| GND | 4 | ground (0 V) |
| V _{CC} | 8 | supply voltage |

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7. Functional description

Table 4. Function table

 $H = HIGH \text{ voltage level}; L = LOW \text{ voltage level}; X = don't care; Z = high-impedance OFF-state.}$

| Input nOE | | Output |
|--------------|----|--------|
| nOE | nA | nY |
| Н | L | L |
| Н | Н | Н |
| L | X | Z |

8. Limiting values

Table 5. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

| Symbol | Parameter | Conditions | | Min | Max | Unit |
|------------------|-------------------------|--|---------------------------------|------------------|--|----------------------|
| V _{CC} | supply voltage | | | -0.5 | +4.6 | V |
| I _{IK} | input clamping current | V _I < 0 V | | -50 | - | mA |
| VI | input voltage | | [1] | -0.5 | +4.6 | V |
| I _{OK} | output clamping current | V _O < 0 V | | -50 | - | mA |
| Vo | output voltage | Active mode and Power-down mode | [1] | -0.5 | +4.6 | V |
| Io | output current | $V_O = 0 V \text{ to } V_{CC}$ | | - | ±20 | mA |
| I _{CC} | supply current | | | - | +50 | mA |
| I _{GND} | ground current | | | -50 | - | mA |
| T _{stg} | storage temperature | | | -65 | +150 | °C |
| P _{tot} | total power dissipation | T _{amb} = -40 °C to +125 °C | | | | |
| | | SOT765-1 (VSSOP8) SOT833-1 (XSON8) SOT1089 (XSON8) SOT1116 (XSON8) SOT1203 (XSON8) SOT1233-2 (X2SON8) | [2] [3] [4] [5] [6] | - - - - | 250 250 250 250 250 250 | mW mW mW mW |

- The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed.
- For SOT765-1 (VSSOP8) package: P_{tot} derates linearly with 4.9 mW/K above 99 °C.
- For SOT833-1 (XSON8) package: Ptot derates linearly with 3.1 mW/K above 68 °C. [3]
- [5]
- For SOT1089 (XSON8) package: P_{tot} derates linearly with 4.0 mW/K above 88 °C. For SOT1116 (XSON8) package: P_{tot} derates linearly with 4.2 mW/K above 90 °C. For SOT1203 (XSON8) package: P_{tot} derates linearly with 3.6 mW/K above 81 °C. For SOT1233-2 (X2SON8) package: P_{tot} derates linearly with 7.7 mW/K above 118 °C.

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9. Recommended operating conditions

Table 6. Operating conditions

| Symbol | Parameter | Conditions | Min | Max | Unit |
|------------------|-------------------------------------|--|-----|-----------------|------|
| V _{CC} | supply voltage | | 0.8 | 3.6 | V |
| VI | input voltage | | 0 | 3.6 | V |
| Vo | output voltage | Active mode | 0 | V _{CC} | V |
| | | Power-down mode; V _{CC} = 0 V | 0 | 3.6 | V |
| T _{amb} | ambient temperature | | -40 | +125 | °C |
| Δt/ΔV | input transition rise and fall rate | V _{CC} = 0.8 V to 3.6 V | 0 | 200 | ns/V |

10. Static characteristics

Table 7. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V).

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|----------------------|---------------------------|--|---|-----|------------------------|------|
| T _{amb} = 2 | 5 °C | | ' | | | |
| V _{IH} | HIGH-level input voltage | V _{CC} = 0.8 V | 0.70 × V _{CC} | - | - | V |
| | | V _{CC} = 0.9 V to 1.95 V | 0.65 × V _{CC} | - | - | V |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | - | - | V |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |
| V _{OH} | HIGH-level output voltage | V _I = V _{IH} or V _{IL} | | | | |
| | | I_{O} = -20 μ A; V_{CC} = 0.8 V to 3.6 V | V _{CC} - 0.1 | - | - | V |
| | | I _O = -1.1 mA; V _{CC} = 1.1 V | 0.75 × V _{CC} | - | - | V |
| | | I _O = -1.7 mA; V _{CC} = 1.4 V | 1.11 | - | - | V |
| | | I _O = -1.9 mA; V _{CC} = 1.65 V | 1.32 | - | - | V |
| | | I_{O} = -2.3 mA; V_{CC} = 2.3 V | 2.05 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.9 | - | - | V |
| | | I_{O} = -2.7 mA; V_{CC} = 3.0 V | 2.72 | - | - | V |
| | | I_{O} = -4.0 mA; V_{CC} = 3.0 V | 2.6 | - | - | V |
| V _{OL} | LOW-level output voltage | V _I = V _{IH} or V _{IL} | | | | |
| | | I_{O} = 20 μ A; V_{CC} = 0.8 V to 3.6 V | - | - | 0.1 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.3 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.31 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.31 | V |
| | | I_{O} = 2.3 mA; V_{CC} = 2.3 V | - | - | 0.31 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.44 | V |
| | | I_{O} = 2.7 mA; V_{CC} = 3.0 V | - | - | 0.31 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.44 | V |

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-------------------|---|---|-----|-----|------|------|
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.1 | μΑ |
| l _{OZ} | OFF-state output current | $V_I = V_{IH} \text{ or } V_{IL}; V_O = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | - | ±0.1 | μΑ |
| I _{OFF} | power-off leakage current | V_{I} or $V_{O} = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$ | - | - | ±0.2 | μΑ |
| Δl _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.2 | μΑ |
| I _{CC} | supply current | V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V | - | - | 0.5 | μΑ |
| ΔI _{CC} | additional supply current | data input; $V_I = V_{CC} - 0.6 \text{ V}$; $I_O = 0 \text{ A}$; [1] $V_{CC} = 3.3 \text{ V}$ | - | - | 40 | μΑ |
| | | nOE input; $V_I = V_{CC} - 0.6 \text{ V}$; $I_O = 0 \text{ A}$; [1] $V_{CC} = 3.3 \text{ V}$ | - | - | 110 | μΑ |
| | | all inputs; V_I = GND to 3.6 V; [2] nOE = GND; V_{CC} = 0.8 V to 3.6 V | - | - | 1 | μΑ |
| Cı | input capacitance | V_I = GND or V_{CC} ; V_{CC} = 0 V to 3.6 V | - | 0.9 | - | pF |
| Co | output capacitance | output enabled; $V_O = GND$; $V_{CC} = 0 V$ | - | 1.7 | - | pF |
| | | output disabled; V_O = GND or V_{CC} ; V_{CC} = 0 V to 3.6 V | - | 1.5 | - | pF |

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| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|----------------------|---|---|--|-----|------------------------|------|
| T _{amb} = - | 40 °C to +85 °C | | | ' | | |
| V _{IH} | HIGH-level input voltage | V _{CC} = 0.8 V | 0.70 × V _{CC} | - | - | V |
| | | V _{CC} = 0.9 V to 1.95 V | 0.65 × V _{CC} | - | - | V |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | - | - | V |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | - | - | 0.35 × V _{CC} | V |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |
| V _{OH} | HIGH-level output voltage | $V_I = V_{IH}$ or V_{IL} | | | | |
| | | $I_O = -20 \mu A$; $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | V _{CC} - 0.1 | - | - | V |
| | | I _O = -1.1 mA; V _{CC} = 1.1 V | 0.7 × V _{CC} | - | - | V |
| | | I _O = -1.7 mA; V _{CC} = 1.4 V | 1.03 | - | - | V |
| | | $ \begin{array}{c} \text{but voltage} \\ \text{Vac} = 0.8 \ \text{V} \\ \text{Vac} = 0.9 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 2.7 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 2.7 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 0.9 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 2.7 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 2.7 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 2.3 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 1.95 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Vac} = 3.0 \ \text{V to } 3.6 \ \text{V} \\ \text{Io} = -1.7 \ \text{mA; Vac} = 1.1 \ \text{V} \\ \text{Io} = -1.9 \ \text{mA; Vac} = 1.65 \ \text{V} \\ \text{Io} = -1.9 \ \text{mA; Vac} = 2.3 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 2.3 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 2.3 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.7 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.7 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.7 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{mA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{MA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{MA; Vac} = 3.0 \ \text{V} \\ \text{Io} = -2.3 \ \text{MA; Vac} = 3.0 \ \text{V} \\ \text$ | V | | | |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 8 V 0.70 × V _{CC} V 9 V to 1.95 V 0.65 × V _{CC} V 0.65 × V _{CC} V 0.65 × V _{CC} V 0.7 V to 3.6 V 2.0 V 0.7 V to 3.6 V 2.0 V 0.30 × V _{CC} V 0.0 to 3.6 V 0.35 × V _{CC} V 0.0 to 3.6 V 0.35 × V _{CC} V 0.0 to 3.6 V 0.7 V 0.0 v to 3.6 V 0.9 V 0.0 v to 3.6 V 0.0 × 0.1 V 0.0 v to 3.6 V 0.0 × 0.1 V 0.0 v to 3.6 V 0.0 × 0.1 V 0.0 v to 3.6 V 0.0 × 0.1 V 0.0 × | | | |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | | V | | |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.67 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.55 | - | - | V |
| V _{OL} | LOW-level output voltage | V _I = V _{IH} or V _{IL} | | | | |
| | | $I_O = 20 \mu A$; $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | - | - | 0.1 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.3 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.37 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.35 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.33 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.45 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.33 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.45 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.5 | μA |
| l _{OZ} | OFF-state output current | $V_I = V_{IH} \text{ or } V_{IL}; V_O = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | - | ±0.5 | μA |
| I _{OFF} | power-off leakage current | V_{I} or $V_{O} = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$ | - | - | ±0.5 | μA |
| Δl _{OFF} | additional power-off leakage current | | - | - | ±0.6 | μA |
| I _{CC} | supply current | | - | - | 0.9 | μA |
| ΔI _{CC} | additional supply current | | [1] - | - | 50 | μA |
| | | nOE input; $V_I = V_{CC} - 0.6 \text{ V}$; $I_O = 0 \text{ A}$; $V_{CC} = 3.3 \text{ V}$ | [1] - | - | 120 | μA |
| | | all inputs; V _I = GND to 3.6 V; nOE = GND; V _{CC} = 0.8 V to 3.6 V | [2] - | - | 1 | μA |

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|----------------------|---|--|------------------------|-----|------------------------|------|
| T _{amb} = - | 40 °C to +125 °C | | | | | |
| V _{IH} | HIGH-level input voltage | V _{CC} = 0.8 V | 0.75 × V _{CC} | - | - | V |
| | | V _{CC} = 0.9 V to 1.95 V | 0.70 × V _{CC} | - | - | V |
| | | th voltage $V_{CC} = 0.8 \text{ V}$ $V_{CC} = 0.9 \text{ V to } 1.95 \text{ V}$ $0.75 \times V_{CC}$ $ V_{CC} = 0.9 \text{ V to } 1.95 \text{ V}$ $0.70 \times V_{CC}$ $ 0.70 \times V_{CC}$ $ 0.25 \times V_{CC}$ $ 0.25 \times V$ | - | V | | |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.25 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |
| V _{OH} | HIGH-level output voltage | $V_I = V_{IH}$ or V_{IL} | | | | |
| | | $I_O = -20 \mu A$; $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | V _{CC} - 0.11 | - | - | V |
| | | I _O = -1.1 mA; V _{CC} = 1.1 V | 0.6 × V _{CC} | - | - | V |
| | | I _O = -1.7 mA; V _{CC} = 1.4 V | 0.93 | - | - | V |
| | | I _O = -1.9 mA; V _{CC} = 1.65 V | 1.17 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 1.77 | 2.0 | V | |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.67 | - | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.40 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.30 | - | - | V |
| V _{OL} | LOW-level output voltage | $V_I = V_{IH}$ or V_{IL} | | | | |
| | | $I_O = 20 \mu A$; $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | - | - | 0.11 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.33 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.41 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.39 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.36 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.50 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.36 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.50 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.75 | μA |
| l _{OZ} | OFF-state output current | V _I = V _{IH} or V _{IL} ; V _O = 0 V to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.75 | μA |
| I _{OFF} | power-off leakage current | V_1 or $V_0 = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V}$ | - | - | ±0.75 | μA |
| ΔI _{OFF} | additional power-off leakage current | | - | - | ±0.75 | μΑ |
| I _{CC} | supply current | | - | - | 1.4 | μΑ |
| ΔI _{CC} | additional supply current | | - | - | 75 | μΑ |
| | | nOE input; $V_I = V_{CC} - 0.6 \text{ V}$; $I_O = 0 \text{ A}$; $I_{CC} = 3.3 \text{ V}$ | - | - | 180 | μΑ |
| | | all inputs; V_I = GND to 3.6 V; nOE = GND; V_{CC} = 0.8 V to 3.6 V | 2] - | - | 1 | μΑ |

Low-power dual buffer/line driver; 3-state

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 8.

| Symbol | Parameter | Conditions | T | _{amb} = 25 ° | C | T _{an} | _{nb} = o +85 °C | T _{ar} -40 °C to | _{nb} = o +125 °C | Unit |
|----------------------|--------------|------------------------------------|-----|-----------------------|------|-----------------|-----------------------------|------------------------------|------------------------------|------|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| C _L = 5 p | F | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 20.6 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.8 | 5.5 | 10.5 | 2.5 | 11.7 | 2.5 | 12.9 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.2 | 3.9 | 6.1 | 2.0 | 7.3 | 2.0 | 8.1 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.9 | 3.2 | 4.1 | 1.7 | 6.1 | 1.7 | 6.7 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | 2.6 | 3.6 | 1.4 | 4.3 | 1.4 | 4.9 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.4 | 2.4 | 3.1 | 1.2 | 3.9 | 1.2 | 4.4 | ns |
| t _{en} | enable time | nOE to nY; see Fig. 7 [3] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 71.6 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.8 | 6.2 | 12.4 | 2.6 | 13.6 | 2.6 | 13.6 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.3 | 4.2 | 6.9 | 2.2 | 7.4 | 2.2 | 7.7 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.9 | 3.3 | 5.3 | 1.7 | 5.9 | 1.7 | 6.2 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.5 | 2.4 | 3.6 | 1.4 | 3.8 | 1.4 | 4.1 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.3 | 2.0 | 2.9 | 1.2 | 3.2 | 1.2 | 3.4 | ns |
| t _{dis} | disable time | nOE to nY; see Fig. 7 [4] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 10.3 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.6 | 4.2 | 6.2 | 2.9 | 6.4 | 2.9 | 6.5 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.1 | 3.2 | 4.4 | 2.2 | 4.6 | 2.2 | 4.7 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.1 | 3.1 | 4.4 | 1.7 | 4.6 | 1.7 | 4.8 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.7 | 2.4 | 3.2 | 1.4 | 3.4 | 1.4 | 3.6 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.1 | 2.8 | 3.6 | 1.2 | 3.7 | 1.2 | 3.8 | ns |

Low-power dual buffer/line driver; 3-state

| Symbol | Parameter | Conditions | Т | _{amb} = 25 ° | C. | T _{an} | nb = O +85 °C | T _{an} -40 °C to | _{nb} = o +125 °C | Unit |
|---------------------|--------------|------------------------------------|-----|-----------------------|------|-----------------|------------------|------------------------------|------------------------------|------|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| C _L = 10 | pF | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 24.0 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.2 | 6.4 | 12.3 | 3.0 | 13.8 | 3.0 | 15.2 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.1 | 4.5 | 7.3 | 1.9 | 8.5 | 1.9 | 9.4 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.9 | 3.8 | 5.5 | 1.7 | 6.8 | 1.7 | 7.6 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.1 | 3.2 | 4.2 | 1.6 | 5.3 | 1.6 | 5.9 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.8 | 3.0 | 3.8 | 1.6 | 4.6 | 1.6 | 5.2 | ns |
| t _{en} e | enable time | nOE to nY; see Fig. 7 [3] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 75.3 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.2 | 7.1 | 14.1 | 3.0 | 15.4 | 3.0 | 15.4 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.2 | 4.8 | 8.0 | 2.1 | 8.3 | 2.1 | 8.6 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.8 | 3.9 | 5.9 | 1.7 | 6.5 | 1.7 | 6.8 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.5 | 2.9 | 4.2 | 1.4 | 4.5 | 1.4 | 4.8 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.4 | 2.6 | 3.6 | 1.3 | 3.8 | 1.3 | 4.0 | ns |
| t _{dis} | disable time | nOE to nY; see Fig. 7 [4] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 12.2 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.5 | 5.3 | 7.6 | 3.3 | 7.9 | 3.3 | 7.9 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.2 | 4.1 | 5.6 | 2.1 | 5.7 | 2.1 | 5.9 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.4 | 4.2 | 5.7 | 1.7 | 5.8 | 1.7 | 6.0 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.9 | 3.2 | 4.1 | 1.4 | 4.3 | 1.4 | 4.5 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.4 | 4.1 | 5.0 | 1.3 | 5.2 | 1.3 | 5.3 | ns |

Low-power dual buffer/line driver; 3-state

| Symbol | Parameter | Conditions | T _{amb} = 25 °C | | T _{amb} = -40 °C to +85 °C | | T _{amb} = -40 °C to +125 °C | | Unit | |
|---------------------|--------------|------------------------------------|--------------------------|--------|-------------------------------------|-----|--------------------------------------|-----|------|----|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| C _L = 15 | pF | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 27.4 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.6 | 7.2 | 14.1 | 3.3 | 15.8 | 3.3 | 17.5 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.0 | 5.1 | 8.1 | 2.5 | 9.8 | 2.5 | 10.9 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.2 | 4.3 | 6.3 | 2.0 | 7.9 | 2.0 | 8.8 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.0 | 3.7 | 4.9 | 1.8 | 6.0 | 1.8 | 6.7 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | 3.5 | 4.4 | 1.8 | 5.4 | 1.8 | 6.1 | ns |
| t _{en} en | enable time | nOE to nY; see Fig. 7 [3] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 79.2 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.6 | 7.8 | 15.8 | 3.3 | 17.1 | 3.3 | 17.1 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.0 | 5.4 | 8.8 | 2.9 | 9.4 | 2.9 | 9.7 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.1 | 4.3 | 6.7 | 2.0 | 7.3 | 2.0 | 7.7 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.8 | 3.4 | 4.8 | 1.7 | 5.2 | 1.7 | 5.6 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.6 | 3.1 | 4.1 | 1.5 | 4.5 | 1.5 | 4.7 | ns |
| t _{dis} | disable time | nOE to nY; see Fig. 7 [4] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 14.9 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 4.3 | 6.4 | 8.5 | 3.7 | 9.3 | 3.7 | 9.4 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.0 | 5.0 | 6.6 | 2.5 | 6.9 | 2.5 | 7.0 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 3.1 | 5.4 | 6.6 | 2.0 | 7.4 | 2.0 | 7.5 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.4 | 4.0 | 5.0 | 1.7 | 5.1 | 1.7 | 5.5 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 3.2 | 5.3 | 6.2 | 1.5 | 6.7 | 1.5 | 6.9 | ns |

Low-power dual buffer/line driver; 3-state

| Symbol | Parameter | Conditions | T _{amb} = 25 °C | | T _{amb} = -40 °C to +85 °C | | T _{amb} = -40 °C to +125 °C | | Unit | |
|----------------------|-------------------------------------|--|--------------------------|--------|-------------------------------------|-----|--------------------------------------|-----|------|----|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| C _L = 30 | pF | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 37.4 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 4.8 | 9.5 | 18.7 | 4.4 | 21.4 | 4.4 | 24.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 4.0 | 6.7 | 10.8 | 3.0 | 13.0 | 3.0 | 14.5 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.9 | 5.6 | 8.4 | 2.6 | 10.3 | 2.6 | 11.5 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.7 | 4.8 | 6.3 | 2.5 | 7.8 | 2.5 | 8.7 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.7 | 4.6 | 5.8 | 2.5 | 7.0 | 2.5 | 8.3 | ns |
| t _{en} | enable time | nOE to nY; see Fig. 7 [3] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 90.6 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 4.7 | 10.0 | 20.4 | 4.3 | 22.0 | 4.3 | 22.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.0 | 6.9 | 11.3 | 3.7 | 12.0 | 3.7 | 12.5 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.6 | 5.6 | 8.6 | 3.2 | 9.5 | 3.2 | 10.1 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.3 | 4.5 | 6.3 | 2.9 | 6.8 | 2.9 | 7.3 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.2 | 4.2 | 5.8 | 2.7 | 6.4 | 2.7 | 6.7 | ns |
| t _{dis} | disable time | nOE to nY; see Fig. 7 [4] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 51.6 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 6.0 | 9.8 | 13.6 | 4.7 | 14.3 | 4.7 | 14.4 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 4.5 | 7.7 | 10.5 | 3.0 | 10.7 | 3.0 | 11.0 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 5.2 | 8.8 | 11.4 | 2.6 | 11.5 | 2.6 | 11.6 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 3.9 | 6.4 | 7.4 | 2.3 | 9.0 | 2.3 | 10.2 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 5.5 | 9.0 | 10.7 | 2.2 | 10.8 | 2.2 | 12.0 | ns |
| C _L = 5 p | F, 10 pF, 15 p | F and 30 pF | | | • | | | , | | |
| C _{PD} | power dissipation capacitance | output enabled; f _i = 1 MHz; [5] V _I = GND to V _{CC} | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 2.7 | - | - | - | - | - | pF |
| | | V _{CC} = 1.1 V to 1.3 V | - | 2.8 | - | - | - | - | - | pF |
| | | V _{CC} = 1.4 V to 1.6 V | - | 2.9 | - | - | - | - | - | pF |
| | | V _{CC} = 1.65 V to 1.95 V | - | 3.0 | - | - | - | - | - | pF |
| | | V _{CC} = 2.3 V to 2.7 V | - | 3.6 | - | - | - | - | - | pF |
| | | V _{CC} = 3.0 V to 3.6 V | - | 4.2 | - | - | - | - | - | pF |
| | | | | | | 1 | | | | |

- [1] All typical values are measured at nominal V_{CC} .
- t_{pd} is the same as t_{PLH} and t_{PHL} . [2]
- t_{en} is the same as t_{PZH} and t_{PZL}.
- [4] t_{dis} is the same as t_{PHZ} and t_{PLZ}.
 [5] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_L \times V_{CC}^2 \times f_o)$ where:

f_i = input frequency in MHz;

f_o = output frequency in MHz;

C_L = output load capacitance in pF;

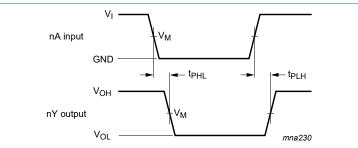
V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}^2 \times f_o)$ = sum of the outputs.

Low-power dual buffer/line driver; 3-state

11.1. Waveforms and test circuit



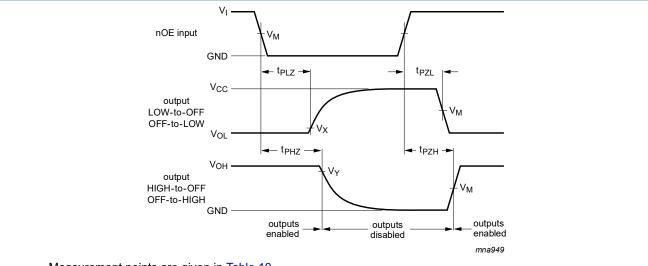
Measurement points are given in Table 9.

Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig. 6. The data input (nA) to output (nY) propagation delays

Table 9. Measurement points

| Supply voltage | Input | | | Output |
|-----------------|-----------------------|-----------------|-------------|-----------------------|
| V _{CC} | V _M | V _I | $t_r = t_f$ | V _M |
| 0.8 V to 3.6 V | 0.5 × V _{CC} | V _{CC} | ≤ 3.0 ns | 0.5 × V _{CC} |



Measurement points are given in <u>Table 10</u>.

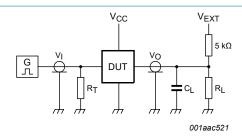
Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig. 7. Enable and disable times

Table 10. Measurement points

| Supply voltage | Input | Output | | |
|-----------------|-----------------------|-----------------------|--------------------------|--------------------------|
| V _{CC} | V _M | V _M | V _X | V _Y |
| 0.8 V to 1.6 V | 0.5 × V _{CC} | 0.5 × V _{CC} | V _{OL} + 0.1 V | V _{OH} - 0.1 V |
| 1.65 V to 2.7 V | 0.5 × V _{CC} | 0.5 × V _{CC} | V _{OL} + 0.15 V | V _{OH} - 0.15 V |
| 3.0 V to 3.6 V | 0.5 × V _{CC} | 0.5 × V _{CC} | V _{OL} + 0.3 V | V _{OH} - 0.3 V |

Low-power dual buffer/line driver; 3-state



Test data is given in Table 11.

Definitions for test circuit:

R_L = Load resistance;

C_L = Load capacitance including jig and probe capacitance;

 R_T = Termination resistance should be equal to the output impedance Z_o of the pulse generator;

 V_{EXT} = External voltage for measuring switching times.

Fig. 8. Test circuit for measuring switching times

Table 11. Test data

| Supply voltage | Load | V _{EXT} | | | |
|-----------------|------------------------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| V _{CC} | CL | R _L [1] | t _{PLH} , t _{PHL} | t _{PZH} , t _{PHZ} | t _{PZL} , t _{PLZ} |
| 0.8 V to 3.6 V | 5 pF, 10 pF, 15 pF and 30 pF | 5 kΩ or 1 MΩ | open | GND | 2 × V _{CC} |

[1] For measuring enable and disable times R_L = 5 k Ω . For measuring propagation delays, set-up and hold times and pulse width R_L = 1 M Ω .

Low-power dual buffer/line driver; 3-state

12. Package outline

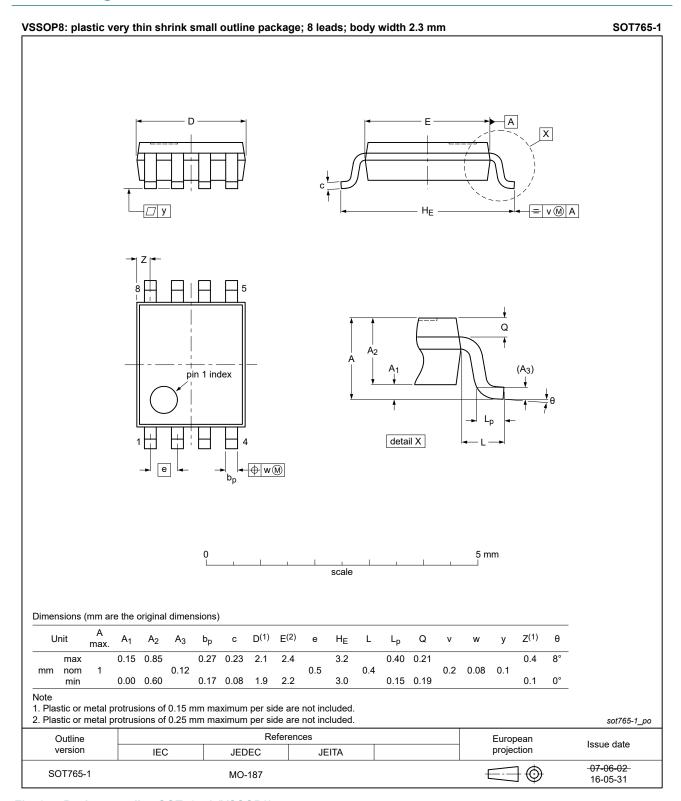


Fig. 9. Package outline SOT765-1 (VSSOP8)

Low-power dual buffer/line driver; 3-state

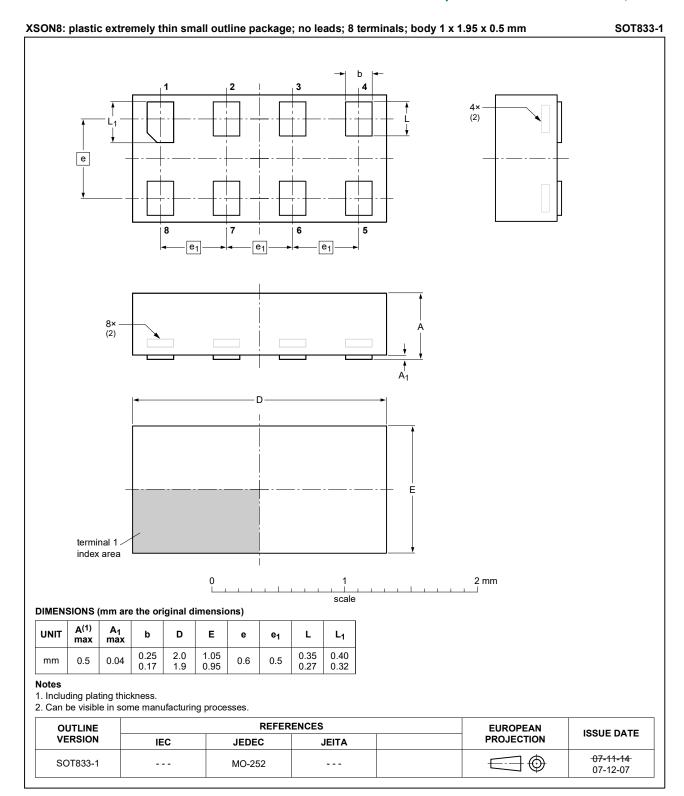


Fig. 10. Package outline SOT833-1 (XSON8)

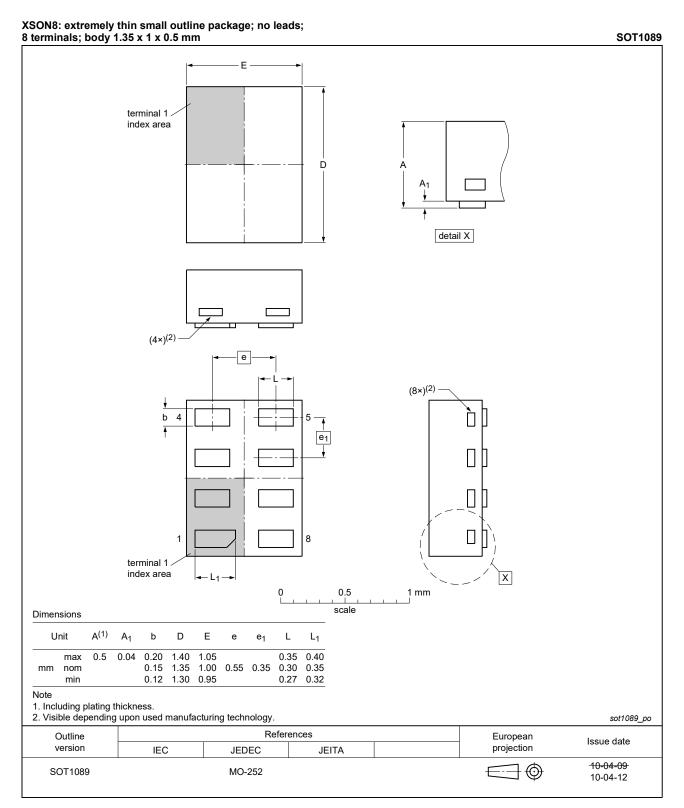


Fig. 11. Package outline SOT1089 (XSON8)

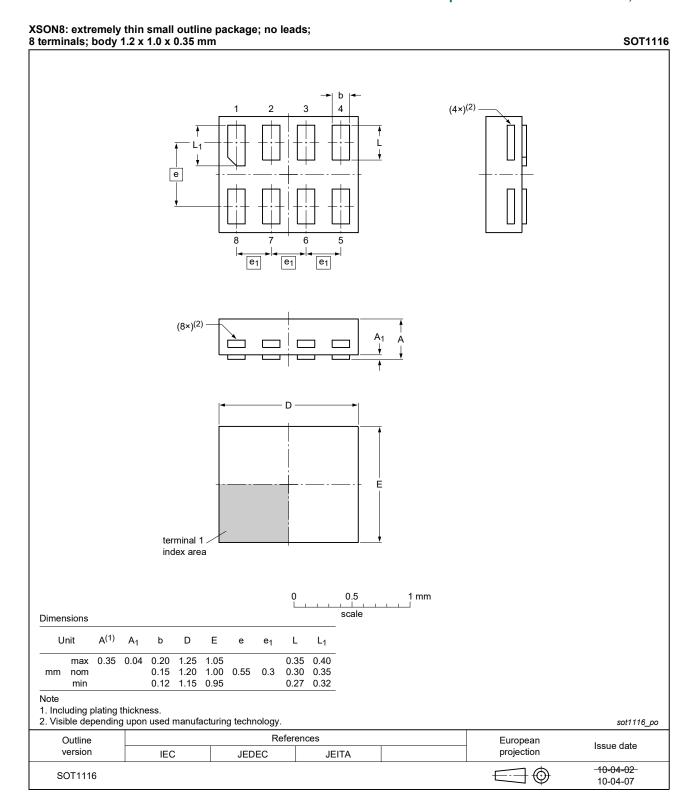


Fig. 12. Package outline SOT1116 (XSON8)

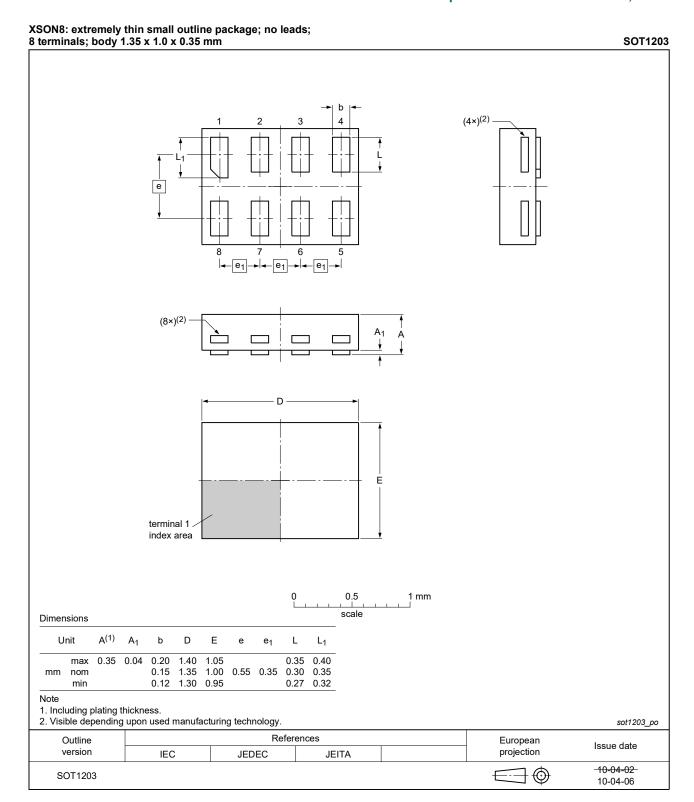


Fig. 13. Package outline SOT1203 (XSON8)

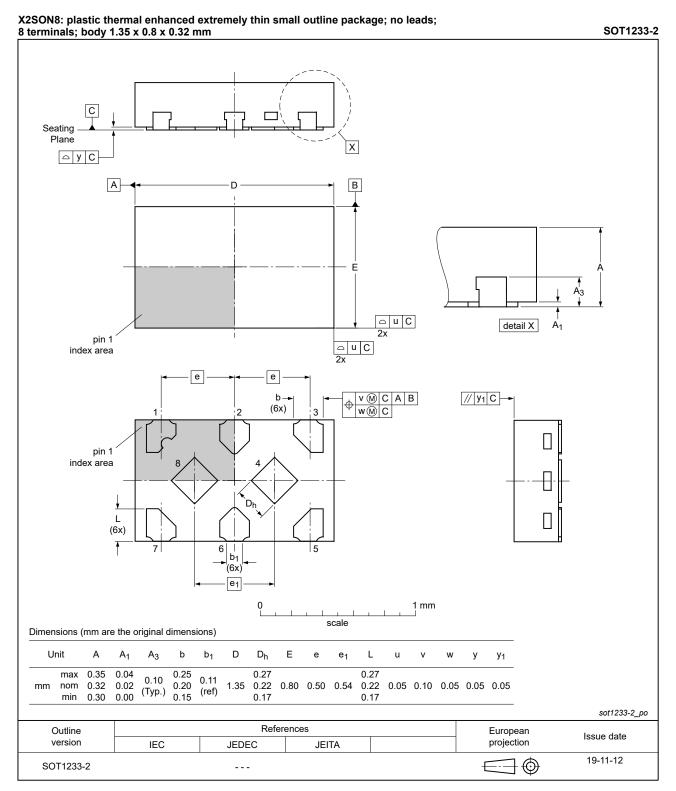


Fig. 14. Package outline SOT1233-2 (X2SON8)

Low-power dual buffer/line driver; 3-state

13. Abbreviations

Table 12. Abbreviations

| Acronym | Description | |
|---------|--|--|
| CDM | Charged Device Model | |
| CMOS | omplementary Metal-Oxide Semiconductor | |
| DUT | Device Under Test | |
| ESD | ElectroStatic Discharge | |
| НВМ | Human Body Model | |
| MM | Machine Model | |

14. Revision history

Table 13. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes | | | |
|-----------------|--|--------------------|---------------|-----------------|--|--|--|
| 74AUP2G126 v.13 | 20220621 | Product data sheet | - | 74AUP2G126 v.12 | | | |
| Modifications: | Package SOT1233 (X2SON8) changed to SOT1233-2 (X2SON8). | | | | | | |
| 74AUP2G126 v.12 | 20220310 | Product data sheet | - | 74AUP2G126 v.11 | | | |
| Modifications: | Type number 74AUP2G126GM (SOT902-2/XQFN8) removed. Section 1 and Section 2 updated. Table 5: Derating values for P_{tot} total power dissipation have been updated. | | | | | | |
| 74AUP2G126 v.11 | 20170703 | Product data sheet | - | 74AUP2G126 v.10 | | | |
| Modifications: | The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. Fig. 5 and Fig. 14 (drawings SOT1233/X2SON8) updated Type number 74AUP2G126GD removed. | | | | | | |
| 74AUP2G126 v.10 | 20161028 | Product data sheet | - | 74AUP2G126 v.9 | | | |
| Modifications: | Added type number 74AUP2G126GX (SOT1233/X2SON8) | | | | | | |
| 74AUP2G126 v.9 | 20130211 | Product data sheet | - | 74AUP2G126 v.8 | | | |
| Modifications: | For type number 74AUP2G126GD XSON8U has changed to XSON8. | | | | | | |
| 74AUP2G126 v.8 | 20120606 | Product data sheet | - | 74AUP2G126 v.7 | | | |
| 74AUP2G126 v.7 | 20111201 | Product data sheet | - | 74AUP2G126 v.6 | | | |
| 74AUP2G126 v.6 | 20100621 | Product data sheet | - | 74AUP2G126 v.5 | | | |
| 74AUP2G126 v.5 | 20090202 | Product data sheet | - | 74AUP2G126 v.4 | | | |
| 74AUP2G126 v.4 | 20090114 | Product data sheet | - | 74AUP2G126 v.3 | | | |
| 74AUP2G126 v.3 | 20080409 | Product data sheet | - | 74AUP2G126 v.2 | | | |
| 74AUP2G126 v.2 | 20070515 | Product data sheet | - | 74AUP2G126 v.1 | | | |
| 74AUP2G126 v.1 | 20061009 | Product data sheet | - | - | | | |

Low-power dual buffer/line driver; 3-state

15. Legal information

Data sheet status

| Document status [1][2] | Product status [3] | Definition |
|--------------------------------|-----------------------|---|
| Objective [short] data sheet | Development | This document contains data from the objective specification for product development. |
| Preliminary [short] data sheet | Qualification | This document contains data from the preliminary specification. |
| Product [short] data sheet | Production | This document contains the product specification. |

- Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions".
- The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the internet at https://www.nexperia.com.

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Low-power dual buffer/line driver; 3-state

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