Product data sheet

1. General description

The 74AUP2G02 is a dual 2-input NOR gate. 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
- 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)
 - JESD8-B (2.7 V to 3.6 V)
- Low static power consumption; I_{CC} = 0.9 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD78B Class II
- Inputs accept voltages up to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial power-down mode operation
- ESD protection:
 - HBM: ANSI/ESDA/JEDEC JS-001 class 3A exceeds 5000 V
 - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

3. Ordering information

Table 1. Ordering information

Type number	Package	Package								
	Temperature range	Name	Description	Version						
74AUP2G02DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1						
74AUP2G02GT	-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						
74AUP2G02GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm	SOT1116						
74AUP2G02GS	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm	SOT1203						



Low-power dual 2-input NOR gate

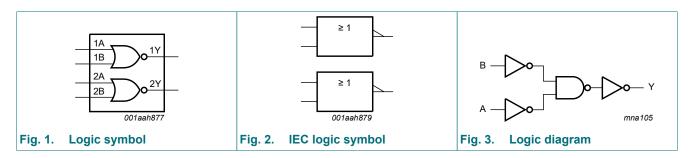
4. Marking

Table 2. Marking codes

Type number	Marking code[1]
74AUP2G02DC	p02
74AUP2G02GT	p02
74AUP2G02GN	рВ
74AUP2G02GS	рВ

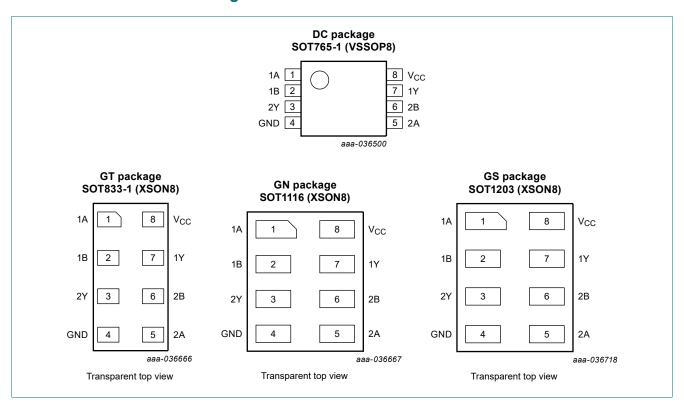
^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1. Pinning



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6.2. Pin description

Table 3. Pin description

Symbol	Pin	Description
1A, 2A	1, 5	data input
1B, 2B	2, 6	data input
GND	4	ground (0 V)
1Y, 2Y	7, 3	data output
V _{CC}	8	supply voltage

7. Functional description

Table 4. Function table

 $H = HIGH \ voltage \ level; \ L = LOW \ voltage \ level.$

Input	Output	
		nY
L	L	Н
L	Н	L
Н	L	L
Н	Н	L

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 [2]	-	250	mW

^[1] The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed.

For SOT833-1 (XSON8) package: P_{tot} derates linearly with 3.1 mW/K above 68 °C.

For SOT1116 (XSON8) package: Ptot derates linearly with 4.2 mW/K above 90 °C.

For SOT1203 (XSON8) package: Ptot derates linearly with 3.6 mW/K above 81 °C.

^[2] For SOT765-1 (VSSOP8) package: P_{tot} derates linearly with 4.9 mW/K above 99 °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					
	HIGH-level input voltage	V _{CC} = 0.8 V	0.70V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.65V _{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	-	-	0.30V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.35V _{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	V _I = V _{IH} or V _{IL}				
	voltage	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		-	-	V
		I_{O} = -1.7 mA; V_{CC} = 1.4 V		-	-	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	V _I = V _{IH} or V _{IL}				
	voltage	I _O = 20 μA; V _{CC} = 0.8 V to 3.6 V	-	-	0.1	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	0.3V _{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
l _l	input leakage current	V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.1	μA

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
I _{OFF}	power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V; } V_{CC} = 0 \text{ V}$	-	-	±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	$V_I = GND \text{ or } V_{CC}; I_O = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μΑ
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	40	μΑ
Cı	input capacitance	V_{CC} = 0 V to 3.6 V; V_I = GND or V_{CC}	-	0.8	-	pF
Co	output capacitance	V _O = GND; V _{CC} = 0 V	-	1.7	-	pF
T _{amb} =	40 °C to +85 °C			l		
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.70V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.65V _{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	-	-	0.30V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.35V _{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	V _I = V _{IH} or V _{IL}				
	voltage	$I_O = -20 \mu\text{A}; V_{CC} = 0.8 \text{V} \text{to } 3.6 \text{V}$	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.7V _{CC}	-	-	V
		I _O = -1.7 mA; V _{CC} = 1.4 V	1.03	-	-	V
		I _O = -1.9 mA; V _{CC} = 1.65 V	1.30	-	-	V
		I _O = -2.3 mA; V _{CC} = 2.3 V	1.97	-	-	V
		I _O = -3.1 mA; V _{CC} = 2.3 V	1.85	-	-	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	V _I = V _{IH} or V _{IL}				
02	voltage	$I_O = 20 \mu\text{A}; V_{CC} = 0.8 \text{V} \text{to } 3.6 \text{V}$	-	-	0.1	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	_	-	0.3V _{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
I _{OFF}	power-off leakage current	V_1 or $V_0 = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.5	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	-	-	±0.6	μΑ
I _{CC}	supply current	V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 0.8 V to 3.6 V	-	-	0.9	μА
ΔI_{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	50	μA

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Low-power dual 2-input NOR gate

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = -	40 °C to +125 °C		1		1	
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.75V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.70V _{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	-	-	0.25V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.30V _{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	$V_I = V_{IH}$ or V_{IL}				
	voltage	I _O = -20 μA; V _{CC} = 0.8 V to 3.6 V	V _{CC} - 0.11	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.6V _{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	-	-	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	$V_I = V_{IH}$ or V_{IL}				
	voltage	$I_O = 20 \mu A; V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.11	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	0.33V _{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
I _{OFF}	power-off leakage current	V_1 or $V_0 = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.75	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	-	-	±0.75	μΑ
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	1.4	μΑ
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	75	μA

^[1] One input at V_{CC} - 0.6 V, other input at V_{CC} or GND.

Low-power dual 2-input NOR gate

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 5.

Symbol	Parameter	Conditions	Ta	_{imb} = 25 °	°C	-40 °C to	o +85 °C	-40 °C to	+125 °C	Unit
			Min	Typ[1]	Max	Min	Max	Min	Max	
C _L = 5 p	F									
t _{pd}	propagation	nA, nB to nY; see Fig. 4 [2]								
	delay	V _{CC} = 0.8 V	-	17.0	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.5	5.1	10.8	2.1	12.1	2.1	13.4	ns
		V _{CC} = 1.4 V to 1.6 V	1.6	3.7	6.7	1.4	7.8	1.4	8.6	ns
		V _{CC} = 1.65 V to 1.95 V	1.3	3.0	5.3	1.1	6.2	1.1	6.9	ns
		V _{CC} = 2.3 V to 2.7 V	1.0	2.4	3.9	0.9	4.6	0.9	5.1	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	2.2	3.4	0.8	4.0	0.8	4.4	ns
C _L = 10	pF									
t _{pd}	propagation	nA, nB to nY; see Fig. 4 [2]								
	delay	V _{CC} = 0.8 V	-	20.4	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.4	6.0	12.8	2.2	14.3	2.2	15.8	ns
		V _{CC} = 1.4 V to 1.6 V	1.9	4.3	7.9	1.7	9.2	1.7	10.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.6	3.6	6.2	1.5	7.3	1.5	8.1	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	3.0	4.7	1.2	5.6	1.2	6.2	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	2.7	4.2	1.2	5.0	1.2	5.5	ns
C _L = 15	pF			<u>'</u>						
t _{pd}	propagation	nA, nB to nY; see Fig. 4 [2]								
	delay	V _{CC} = 0.8 V	-	23.9	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.4	6.8	14.6	3.1	16.4	3.1	18.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.8	8.9	2.0	10.4	2.0	11.5	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	4.0	7.0	1.7	8.3	1.7	9.2	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	3.4	5.4	1.5	6.3	1.5	7.0	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	3.2	4.8	1.4	5.7	1.4	6.3	ns
C _L = 30	pF									
t _{pd}	propagation	nA, nB to nY; see Fig. 4 [2]								
	delay	V _{CC} = 0.8 V	-	34.2	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.6	9.0	19.9	4.1	22.4	4.1	24.7	ns
		V _{CC} = 1.4 V to 1.6 V	3.4	6.4	11.8	2.9	13.9	2.9	15.3	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	5.3	9.3	2.3	11.1	2.3	12.3	ns
		V _{CC} = 2.3 V to 2.7 V	2.4	4.5	7.1	2.1	8.5	2.1	9.4	ns
		V _{CC} = 3.0 V to 3.6 V	2.3	4.2	6.4	2.1	7.7	2.1	8.5	ns

Low-power dual 2-input NOR gate

Symbol	Parameter	Conditions	Ta	_{amb} = 25	°C	-40 °C to	+85 °C	-40 °C to	+125 °C	Unit
			Min	Typ[1]	Max	Min	Max	Min	Max	
C _L = 5 p	F, 10 pF, 15 pl	F and 30 pF								
- 1 0	power dissipation	f_i = 1 MHz; [3] V_I = GND to V_{CC}								
	capacitance	V _{CC} = 0.8 V	-	2.6	-	-	-	-	-	pF
		V _{CC} = 1.1 V to 1.3 V	-	2.7	-	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	2.8	-	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	2.9	-	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V	-	3.3	-	-	-	-	-	рF
		V _{CC} = 3.0 V to 3.6 V	-	3.8	-	-	-	-	-	pF

- [1] All typical values are measured at nominal V_{CC}.
- [2] t_{pd} is the same as t_{PLH} and t_{PHL} .
- [3] \dot{C}_{PD} is used to determine the dynamic power dissipation (P_D in μ W).

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

 f_i = input frequency in MHz;

fo = 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.

11.1. Waveform and test circuit

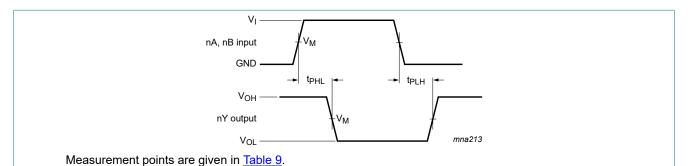


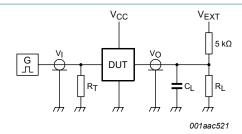
Fig. 4. The data input (nA, nB) to output (nY) propagation delays

Table 9. Measurement points

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

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

Low-power dual 2-input NOR gate



Test data is given in Table 10.

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. 5. Test circuit for measuring switching times

Table 10. 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	2V _{CC}

^[1] $R_L = 5 \text{ k}\Omega$ when measuring enable and disable times.

 R_{L} = 1 $\mbox{M}\Omega$ when measuring propagation delays, set-up and hold times and pulse width.

Low-power dual 2-input NOR gate

12. Package outline

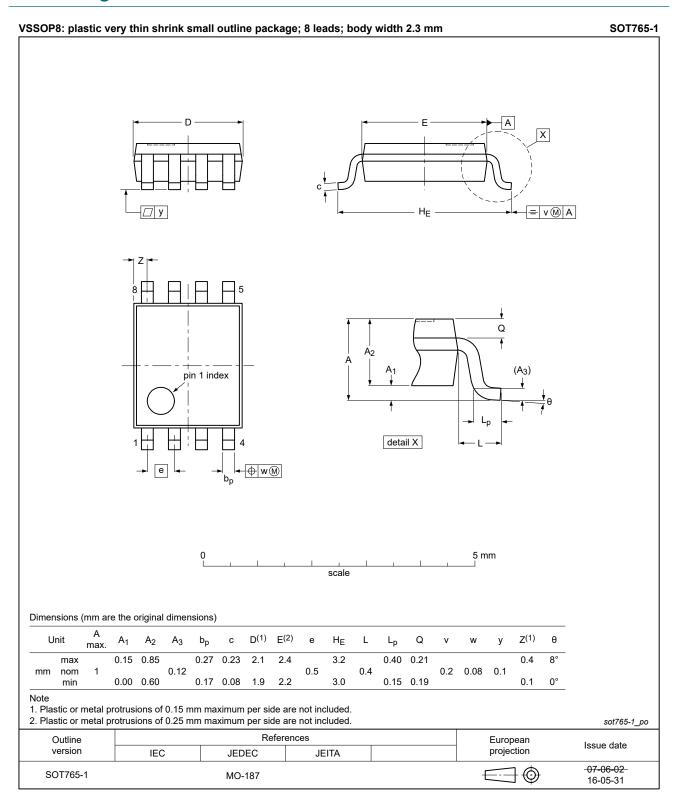


Fig. 6. Package outline SOT765-1 (VSSOP8)

Low-power dual 2-input NOR gate

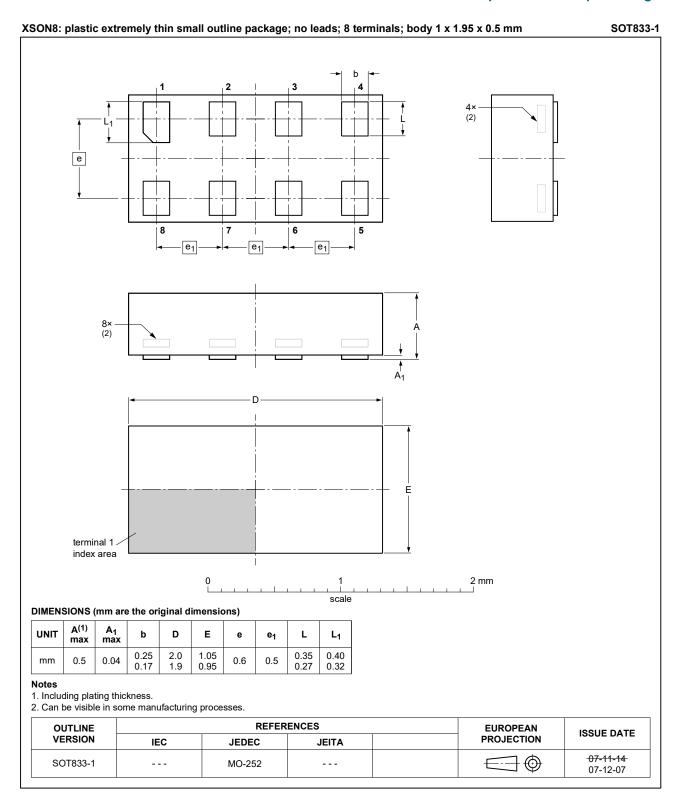


Fig. 7. Package outline SOT833-1 (XSON8)

Low-power dual 2-input NOR gate

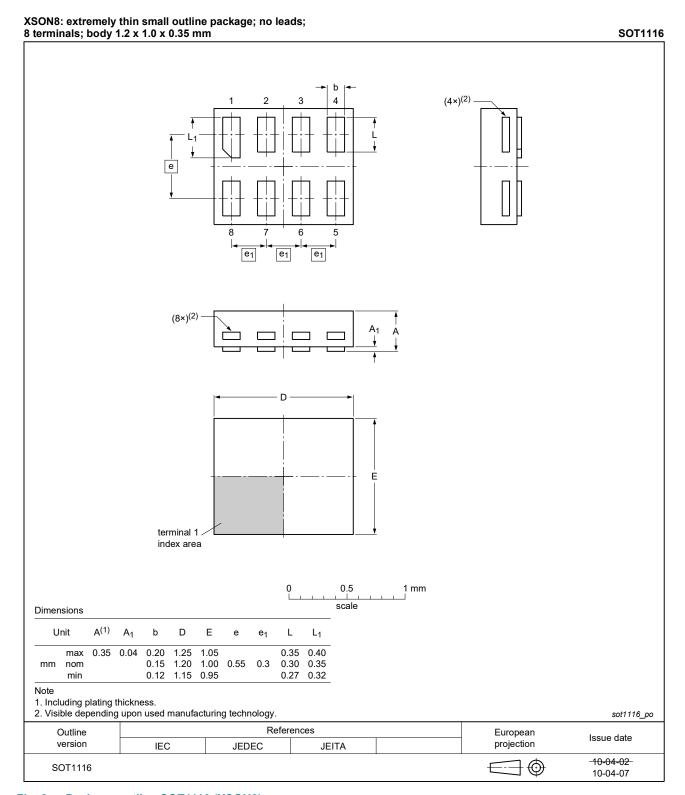


Fig. 8. Package outline SOT1116 (XSON8)

Low-power dual 2-input NOR gate

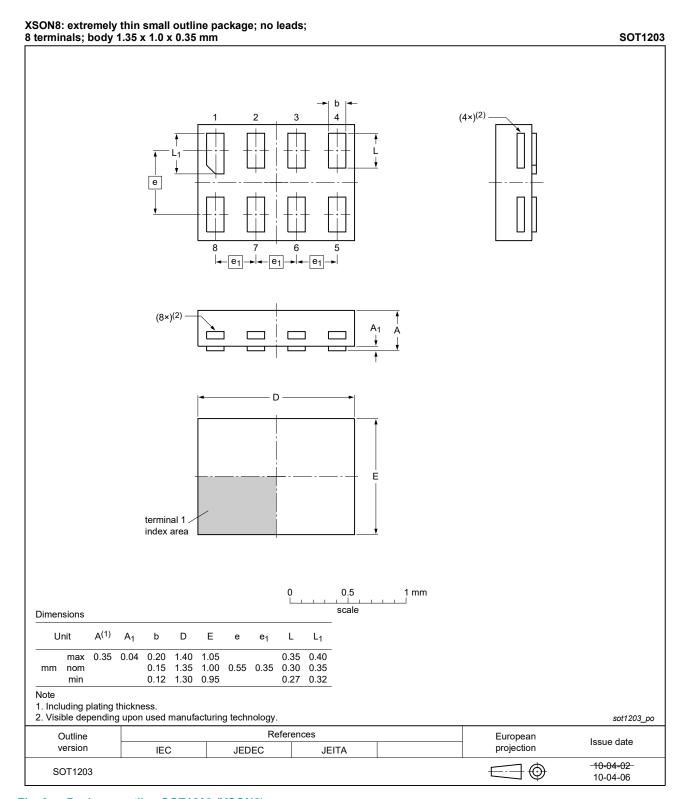


Fig. 9. Package outline SOT1203 (XSON8)

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13. Abbreviations

Table 11. Abbreviations

Acronym	Description
CDM	Charged Device Model
DUT	Device Under Test
ESD	ElectroStatic Discharge
HBM	Human Body Model

14. Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74AUP2G02 v.11	20240426	Product data sheet	-	74AUP2G02 v.10
Modifications:	Type number	er 74AUP2G02GF (SO	1089/XSON8) rem	oved.
74AUP2G02 v.10	20230724	Product data sheet	-	74AUP2G02 v.9
Modifications:	Section 2: E	ESD specification updat	ed according to the	latest JEDEC standard.
74AUP2G02 v.9	20210727	Product data sheet	-	74AUP2G02 v.8
Modifications:	• <u>Section 1</u> u	er 74AUP2G02GM SOT pdated. Derating values for P _{tot} t	,	
74411020020	20190212	Product data sheet	-	74AUP2G02 v.7
74AUP2G02 v.8		of this data shoot has b	oon radaaignad ta	namply with the identity
Modifications:	 The format guidelines of Legal texts Type number Package output 	of this data sheet has b of Nexperia. have been adapted to t er 74AUP2G02GD SOT utline drawing Fig. 6 SO utline drawing SOT902-2	ne new company na 996-2 (XSON8) rer T765-1 (VSSOP8) ı	ame where appropriate. noved. updated.
	 The format guidelines of Legal texts Type number Package output 	of Nexperia. have been adapted to t er 74AUP2G02GD SOT utline drawing <u>Fig. 6</u> SO	ne new company na 996-2 (XSON8) rer T765-1 (VSSOP8) ı	ame where appropriate. noved. updated.
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Modifications: 74AUP2G02 v.7	The format guidelines of Legal texts Type number Package of Package of 20130204	of Nexperia. have been adapted to the range of the range	ne new company na 996-2 (XSON8) rer T765-1 (VSSOP8) i 2 (XQFN8) updated	ame where appropriate. noved. updated 74AUP2G02 v.6
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74AUP2G02 v.7 Modifications: 74AUP2G02 v.6 74AUP2G02 v.5	The format guidelines of Legal texts Legal texts Type number Package of Package of 20130204 For type number 20120803 20111202	of Nexperia. have been adapted to the rotation of the rotation	ne new company na 996-2 (XSON8) rer T765-1 (VSSOP8) i 2 (XQFN8) updated	ame where appropriate. noved. updated. 74AUP2G02 v.6 ed to XSON8. 74AUP2G02 v.5 74AUP2G02 v.4
Modifications: 74AUP2G02 v.7 Modifications: 74AUP2G02 v.6 74AUP2G02 v.5 74AUP2G02 v.4	The format guidelines of Legal texts Type number Package of Package of 20130204 For type number 20120803 20111202 20101109	of Nexperia. have been adapted to the rotation of the rotation	ne new company na 996-2 (XSON8) rer T765-1 (VSSOP8) i 2 (XQFN8) updated	ame where appropriate. noved. updated 74AUP2G02 v.6 ed to XSON8. 74AUP2G02 v.5 74AUP2G02 v.4 74AUP2G02 v.3

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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.

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- [2] The term 'short data sheet' is explained in section "Definitions".
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Low-power dual 2-input NOR gate

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