74AUP1G09

Low-power 2-input AND gate with open-drain

Rev. 6 — 23 June 2021

Product data sheet

1. General description

The 74AUP1G09 is a single 2-input AND gate with open-drain output. 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
- CMOS low power dissipation
- · High noise immunity
- Overvoltage tolerant inputs to 3.6 V
- Low static power consumption; I_{CC} = 0.9 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level B
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial Power-down mode operation
- · 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)
- 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



Low-power 2-input AND gate with open-drain

3. Ordering information

Table 1. Ordering information

Type number	Package	Package								
	Temperature range	Name	Description	Version						
74AUP1G09GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1						
74AUP1G09GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886						
74AUP1G09GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115						
74AUP1G09GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202						
74AUP1G09GX	-40 °C to +125 °C	X2SON5	plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 × 0.8 × 0.32 mm	SOT1226-3						

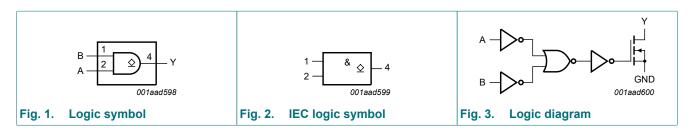
4. Marking

Table 2. Marking

Type number	Marking code [1]
74AUP1G09GW	p9
74AUP1G09GM	p9
74AUP1G09GN	p9
74AUP1G09GS	p9
74AUP1G09GX	p9

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

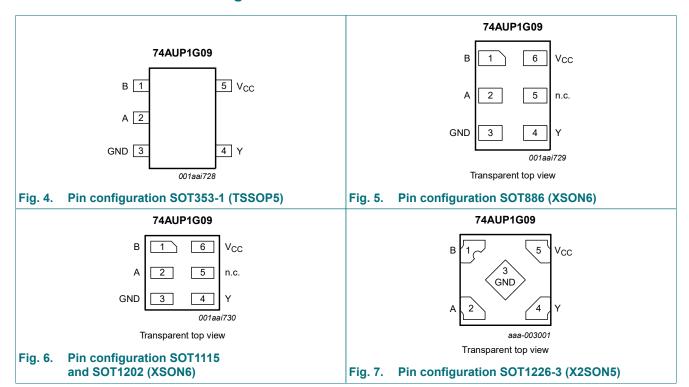
5. Functional diagram



Low-power 2-input AND gate with open-drain

6. Pinning information

6.1. Pinning



6.2. Pin description

Table 3. Pin description

Symbol	Pin	Description	
	TSSOP5 and X2SON5 XSON6		
В	1	1	data input
A	2	2	data input
GND	3	3	ground (0 V)
Υ	4	4	data output
n.c.	-	5	not connected
V _{CC}	5	6	supply voltage

Low-power 2-input AND gate with open-drain

7. Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level; Z = high-impedance OFF state.

Input	Output	
A B		Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	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	$V_O = 0 \text{ V to } V_{CC}$	-	+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	$T_{amb} = -40 ^{\circ}\text{C to } +125 ^{\circ}\text{C}$ [2]	-	250	mW

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

9. Recommended operating conditions

Table 6. Recommended 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 and Power-down mode	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

^[2] For SOT353-1 (TSSOP5) package: P_{tot} derates linearly with 3.3 mW/K above 74 °C.

For SOT886 (XSON6) package: P_{tot} derates linearly with 3.3 mW/K above 74 °C.

For SOT1115 (XSON6) package: Ptot derates linearly with 3.2 mW/K above 71 °C.

For SOT1202 (XSON6) package: P_{tot} derates linearly with 3.3 mW/K above 74 °C.

For SOT1226-3 (X2SON5) package: Ptot derates linearly with 3.0 mW/K above 67 °C.

Low-power 2-input AND gate with open-drain

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	25 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.7V _{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	-	-	0.3V _{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 _{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	-	-	0.3V _{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	μΑ
I _{OZ}	OFF-state output current	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{O} = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 3.6 \text{ V}$	-	-	±0.1	μΑ
l _{OFF}	power-off leakage current	V_{I} or $V_{O} = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.2	μΑ
Δl _{OFF}	additional power-off leakage current	V ₁ 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	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	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	output enabled; V _O = GND; V _{CC} = 0 V	-	1.7	-	pF
		output disabled; V _O = GND; V _{CC} = 0 V	-	1.1	-	pF
T _{amb} = -	40 °C to +85 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.7V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.65V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 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	-	-	0.3V _{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

Symbol	ymbol Parameter Conditions		Min	Тур	Max	Unit
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH}$ or V_{IL}				
		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	-	-	0.37	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 _{OZ}	OFF-state output current	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{O} = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 3.6 \text{ V}$	-	-	±0.5	μΑ
I _{OFF}	power-off leakage current	V_{I} or V_{O} = 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_1 = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	0.9	μΑ
Δl _{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	50	μA
T _{amb} = -	40 °C to +125 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.75V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.7V _{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	-	-	0.3V _{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 _{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	-	-	0.33V _{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
l _l	input leakage current	V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.75	μΑ
l _{OZ}	OFF-state output current	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{O} = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 3.6 \text{ V}$	-	-	±0.75	μΑ
I _{OFF}	power-off leakage current	V_1 or $V_0 = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$	-	-	±0.75	μA
Δl _{OFF}	additional power-off leakage current	V ₁ 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_1 = 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	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	75	μΑ

Low-power 2-input AND gate with open-drain

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V; for test circuit see Fig. 9

Symbol	Parameter	Conditions		25 °C			°C to 5 °C	-40 °C to +125 °C		Unit
			Min	Typ[1]	Max	Min	Max	Min	Max	
C _L = 5 p	F								•	
t _{pd}	propagation delay	A or B to Y; see Fig. 8 [2]								
		V _{CC} = 0.8 V	-	13.5	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	1.9	4.6	10.4	1.8	11.4	1.8	12.6	ns
		V _{CC} = 1.4 V to 1.6 V	1.5	3.3	6.5	1.4	7.4	1.4	8.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.2	2.9	5.1	1.1	5.9	1.1	6.5	ns
		V _{CC} = 2.3 V to 2.7 V	1.0	2.2	3.8	0.9	4.5	0.9	4.9	ns
		V _{CC} = 3.0 V to 3.6 V	0.9	2.3	4.0	8.0	4.5	0.8	4.9	ns
C _L = 10	pF									
t _{pd}	propagation delay	A or B to Y; see Fig. 8 [2]								
		V _{CC} = 0.8 V	-	16.3	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.3	5.6	12.3	2.1	13.7	2.1	15.1	ns
		V _{CC} = 1.4 V to 1.6 V	1.8	4.1	7.6	1.7	8.8	1.7	9.7	ns
		V _{CC} = 1.65 V to 1.95 V	1.6	3.8	6.1	1.4	7.1	1.4	7.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	2.9	4.6	1.2	5.4	1.2	5.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	3.2	5.7	1.1	6.4	1.1	7.0	ns
C _L = 15	pF									·
t _{pd}	propagation delay	A or B to Y; see Fig. 8 [2]								
		V _{CC} = 0.8 V	-	19.0	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	6.6	14.2	2.4	15.8	2.4	17.4	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	4.8	8.7	1.9	10.1	1.9	11.1	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	4.6	7.6	1.7	8.5	1.7	9.3	ns
		V _{CC} = 2.3 V to 2.7 V	1.6	3.6	5.6	1.5	6.3	1.5	6.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	4.1	7.5	1.4	8.3	1.4	9.1	ns
C _L = 30	pF							•	•	
t _{pd}	propagation delay	A or B to Y; see Fig. 8 [2]								
		V _{CC} = 0.8 V	-	27.0	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.6	9.5	19.5	3.2	21.8	3.2	24.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.9	7.0	11.5	2.6	13.6	2.6	15.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	7.0	12.1	2.3	13.3	2.3	14.6	ns
		V _{CC} = 2.3 V to 2.7 V	2.4	5.4	8.9	2.1	9.9	2.1	10.9	ns
		V _{CC} = 3.0 V to 3.6 V	2.3	6.5	12.7	2.1	13.9	2.1	15.3	ns

Low-power 2-input AND gate with open-drain

Symbol	Parameter	rameter Conditions 25 °C			-40 °C to +85 °C				Unit	
			Min	Typ[1]	Max	Min	Max	Min	Max	
C _L = 5 p	F, 10 pF, 15 pF and	30 pF								
C _{PD}	power dissipation	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$ [3]								
	capacitance	V _{CC} = 0.8 V	-	0.6	-	-	-	-	-	pF
		V _{CC} = 1.1 V to 1.3 V	-	0.7	-	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	0.8	-	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	0.9	-	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V	-	1.1	-	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	1.4	-	-	-	-	-	pF

All typical values are measured at nominal V_{CC}.

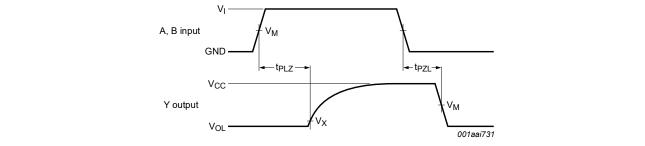
V_{CC} = supply voltage in V;

N = number of inputs switching.

 ^[2] t_{pd} is the same as t_{PZL} and t_{PLZ}.
 [3] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).
 P_D = C_{PD} x V_{CC}² x f_i x N where:
 f_i = input frequency in MHz;

Low-power 2-input AND gate with open-drain

11.1. Waveform and test circuit



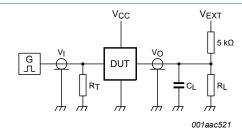
Measurement points are given in Table 9.

 $\ensuremath{V_{OL}}$ is a typical output voltage level that occurs with the output load.

Fig. 8. The data input (A or B) to output (Y) propagation delays

Table 9. Measurement points

Supply voltage	ge Input			y voltage Input Output			Output	
V _{CC}	V _M	V _I	t _r = t _f	V _M	V _X			
0.8 V to 1.6 V	0.5V _{CC}	V _{CC}	≤ 3.0 ns	0.5V _{CC}	V _{OL} + 0.1 V			
1.65 V to 2.7 V	0.5V _{CC}	V _{CC}	≤ 3.0 ns	0.5V _{CC}	V _{OL} + 0.15 V			
3.0 V to 3.6 V	0.5V _{CC}	V _{CC}	≤ 3.0 ns	0.5V _{CC}	V _{OL} + 0.3 V			



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. 9. Test circuit for measuring switching times

Table 10. Test data

Supply voltage	Load	V _{EXT}			
V _{CC}	C _L R _L [1]		t _{PLH} , t _{PHL} t _{PZH} , t _{PHZ} t _{PZL} , t _{PLZ}		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] For measuring enable and disable times $R_L = 5 \text{ k}\Omega$.

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

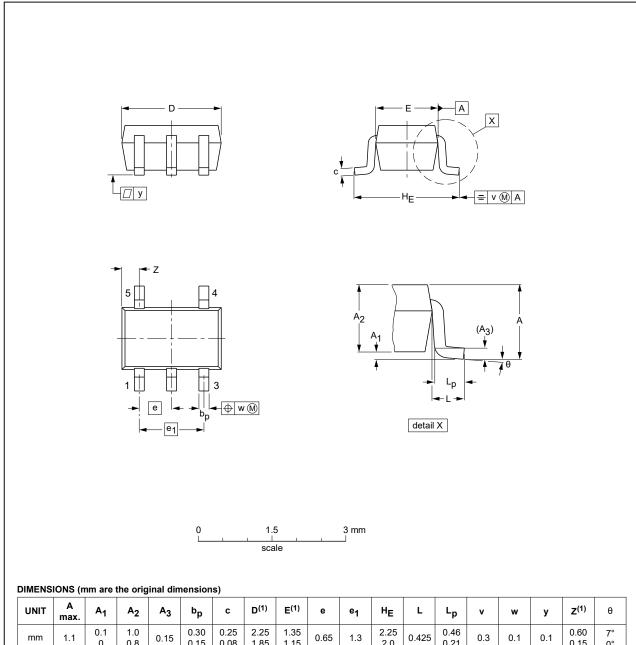
9 / 17

Low-power 2-input AND gate with open-drain

12. Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm

SOT353-1



U	NIT	A max.	A ₁	A ₂	A ₃	bp	С	D ⁽¹⁾	E ⁽¹⁾	е	e ₁	HE	L	Lp	٧	w	у	Z ⁽¹⁾	θ
r	nm	1.1	0.1 0	1.0 0.8	0.15	0.30 0.15	0.25 0.08	2.25 1.85	1.35 1.15	0.65	1.3	2.25 2.0	0.425	0.46 0.21	0.3	0.1	0.1	0.60 0.15	7° 0°

1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

OUTLINE		REFER	EUROPEAN	ISSUE DATE		
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
SOT353-1		MO-203	SC-88A			-00-09-01 03-02-19

Fig. 10. Package outline SOT353-1 (TSSOP5)

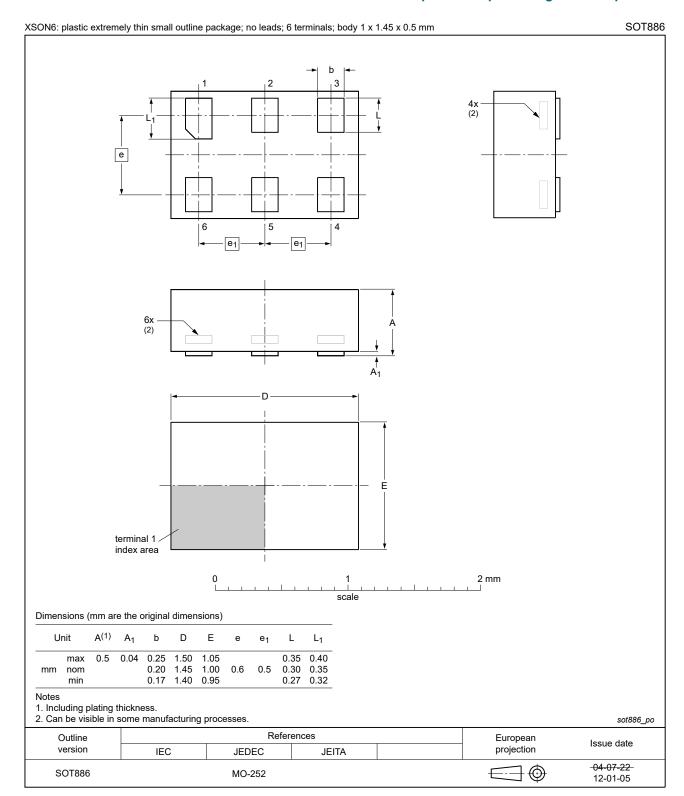


Fig. 11. Package outline SOT886 (XSON6)

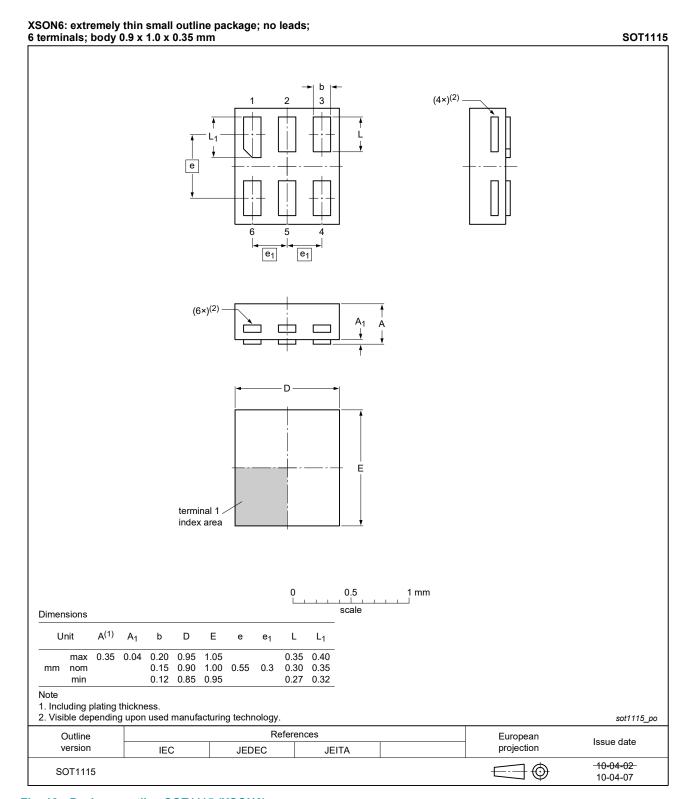


Fig. 12. Package outline SOT1115 (XSON6)

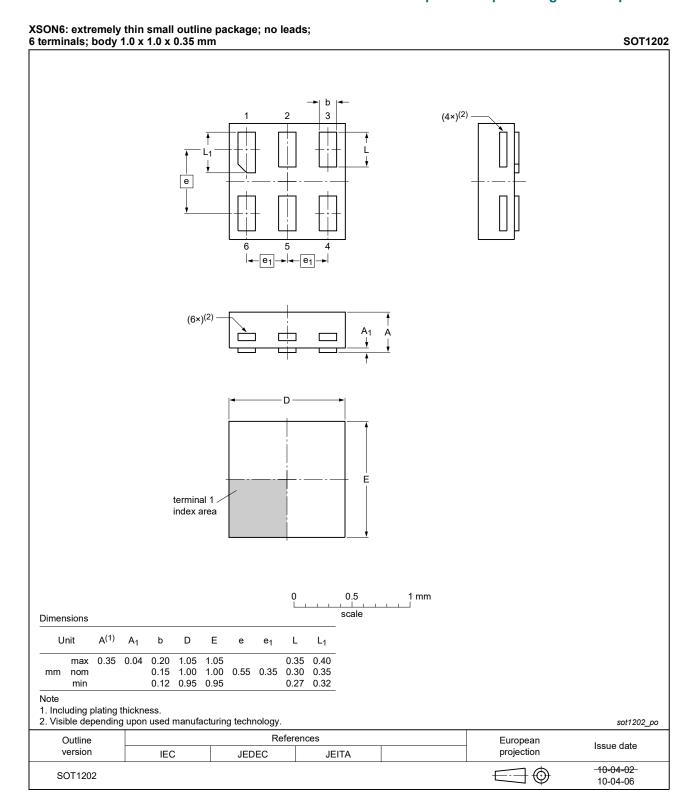


Fig. 13. Package outline SOT1202 (XSON6)

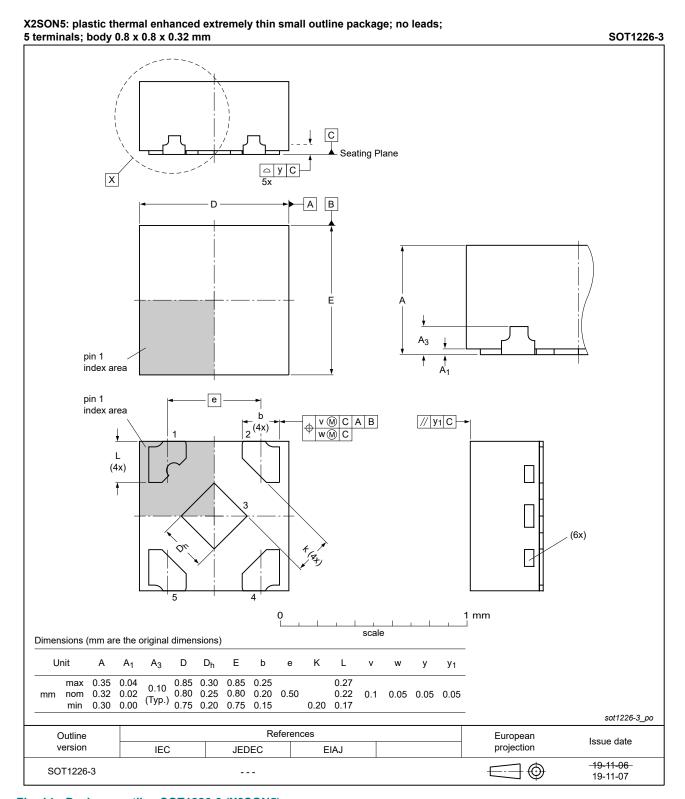


Fig. 14. Package outline SOT1226-3 (X2SON5)

Low-power 2-input AND gate with open-drain

13. Abbreviations

Table 11. Abbreviations

Acronym	Description
CDM	Charged Device Model
DUT	Device Under Test
ESD	ElectroStatic Discharge
НВМ	Human Body Model
MM	Machine Model

14. Revision history

Table 12. Revision history

Release date	Data sheet status	Change notice	Supersedes
20210623	Product data sheet	-	74AUP1G09 v.5
Type numbeSection 1 arTable 5: Der	er 74AUP1G09GF (SOT89 and <u>Section 2</u> updated. rating values for P _{tot} total p	1 / XSON6) remov	ved.
20170929	Product data sheet	-	74AUP1G09 v.4
guidelines o	f Nexperia.		
20120628	Product data sheet	-	74AUP1G09 v.3
	•	•	
20111128	Product data sheet	-	74AUP1G09 v.2
 Legal pages 	updated.		
20100709	Product data sheet	-	74AUP1G09 v.1
20090115	Product data sheet	-	-
	20210623 SOT1226 (X Type number Section 1 ar Table 5: Der Table 9: add 20170929 The format of guidelines of Legal texts if 20120628 Added type Package our 20111128 Legal pages 20100709	 20210623 Product data sheet SOT1226 (X2SON5) package changed Type number 74AUP1G09GF (SOT89) Section 1 and Section 2 updated. Table 5: Derating values for Ptot total p Table 9: added V_I, t_r and t_f. 20170929 Product data sheet The format of this data sheet has been guidelines of Nexperia. Legal texts have been adapted to the r 20120628 Product data sheet Added type number 74AUP1G09GX (SOUTH Package outline drawing of SOT886 (FOUTH Package outline drawing of SOT8	Product data sheet SOT1226 (X2SON5) package changed to SOT1226-3 (X2SON5) package changed to SOT1226-3 (X2SON5) package changed to SOT1226-3 (X2SON6) removes Section 1 and Section 2 updated. Table 5: Derating values for Ptot total power dissipation user Table 9: added VI, tr and tr. Product data sheet The format of this data sheet has been redesigned to conguidelines of Nexperia. Legal texts have been adapted to the new company named 20120628 Product data sheet Added type number 74AUP1G09GX (SOT1226) Package outline drawing of SOT886 (Fig. 11) modified. Product data sheet Legal pages updated. Product data sheet Product data sheet

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 2-input AND gate with open-drain

Contents

1. General description	1
2. Features and benefits	1
3. Ordering information	2
4. Marking	2
5. Functional diagram	2
6. Pinning information	3
6.1. Pinning	3
6.2. Pin description	3
7. Functional description	4
8. Limiting values	4
8. Limiting values 9. Recommended operating conditions	
	4
9. Recommended operating conditions	4 5
9. Recommended operating conditions 10. Static characteristics	5
9. Recommended operating conditions 10. Static characteristics 11. Dynamic characteristics	5
 Recommended operating conditions Static characteristics Dynamic characteristics Waveform and test circuit 	
9. Recommended operating conditions 10. Static characteristics	5

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