Product data sheet

General description 1

The 74AUP2G32 provides dual 2-input OR function.

Schmitt trigger action at all inputs makes the circuit tolerant to slower input rise and fall times across the entire V_{CC} range from 0.8 V to 3.6 V.

This device ensures a 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 a damaging backflow current through the device when it is powered down.

Features and benefits 2

- 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)
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- Low static power consumption; $I_{CC} = 0.9 \ \mu A$ (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 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
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

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Low-power dual 2-input OR gate

3 Ordering information

Type number	Package									
	Temperature range	Name	Description	Version						
74AUP2G32DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1						
74AUP2G32GT	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 x 1.95 x 0.5 mm	SOT833-1						
74AUP2G32GF	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1 x 0.5 mm	SOT1089						
74AUP2G32GM	-40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm	SOT902-2						
74AUP2G32GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm	SOT1116						
74AUP2G32GS	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1.0 x 0.35 mm	SOT1203						
74AUP2G32GX	-40 °C to +125 °C	X2SON8	plastic thermal enhanced extremely thin small outline package; no leads; 8 terminals; body 1.35 x 0.8 x 0.35 mm	SOT1233						

4 Marking

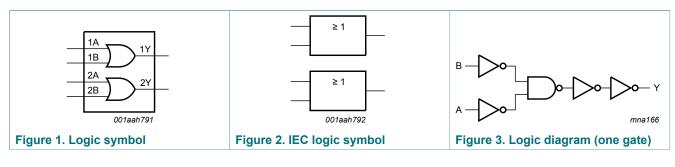
Table 2. Marking codes

Type number	Marking code ^[1]
74AUP2G32DC	p32
74AUP2G32GT	p32
74AUP2G32GF	pG
74AUP2G32GM	p32
74AUP2G32GN	pG
74AUP2G32GS	pG
74AUP2G32GX	pG

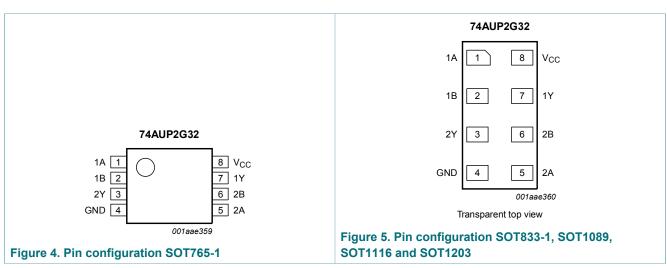
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

Low-power dual 2-input OR gate

5 Functional diagram

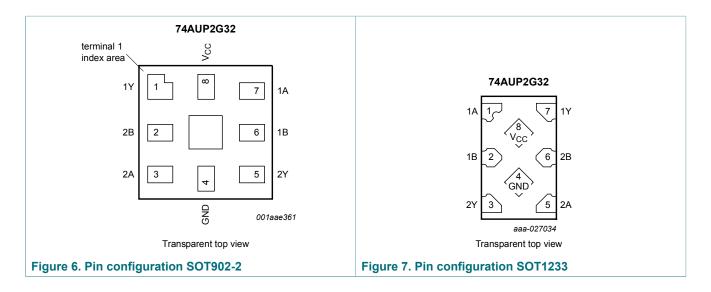


6 Pinning information



6.1 Pinning

Low-power dual 2-input OR gate



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Description	
	SOT765-1, SOT833-1, SOT1089, SOT1116, SOT1203 and SOT1233	SOT902-2	
1A, 2A	1, 5	7, 3	data input
1B, 2B	2, 6	6, 2	data input
GND	4	4	ground (0 V)
1Y, 2Y	7, 3	1, 5	data output
V _{CC}	8	8	supply voltage

7 Functional description

Table 4. Function table

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

Input	Output	
nA	nY	
L	L	L
L	Н	Н
н	L	Н
Н	Н	Н

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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	Мах	Unit
V _{CC}	supply voltage			-0.5	+4.6	V
I _{IK}	input clamping current	V ₁ < 0 V		-50	-	mA
VI	input voltage		[1]	-0.5	+4.6	V
I _{OK}	output clamping current	V ₀ < 0 V		-50	-	mA
Vo	output voltage	Active mode and Power-down mode	[1]	-0.5	+4.6	V
l _O	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

The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed.
 For VSSOP8 packages: above 110 °C the value of P_{tot} derates linearly with 8.0 mW/K.
 For XSON8 and XQFN8 packages: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

For X2SON8 package: above 118 °C the value of P_{tot} derates linearly with 7.7 mW/K.

9 Recommended operating conditions

Table 6. Operating conditions

Symbol	Parameter	Conditions	Min	Мах	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

Low-power dual 2-input OR gate

10 Static characteristics

Table 7. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
T _{amb} = 25	°C			1		1
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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = -20 µA; $V_{\rm CC}$ = 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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		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	-	-	0.3 × 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
		$I_{\rm O}$ = 2.3 mA; $V_{\rm CC}$ = 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
I _I	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.1	μA
I _{OFF}	power-off leakage current	V_1 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.2	μA
ΔI_{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.2	μA
I _{CC}	supply current	$V_1 = GND \text{ or } V_{CC}; I_0 = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μA

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Low-power dual 2-input OR gate

Symbol	Parameter	Conditions		Min	Тур	Мах	Unit
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$	[1]	-	-	40	μA
CI	input capacitance	V_{CC} = 0 V to 3.6 V; V _I = GND or V _{CC}		-	0.6	-	pF
Co	output capacitance	V_{O} = GND; V_{CC} = 0 V		-	1.3	-	pF
Γ _{amb} = -40	0 °C to +85 °C						
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.7	0 × V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.6	5 × 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	$V_{I} = V_{IH} \text{ or } V_{IL}$					
		$I_{\rm O}$ = -20 $\mu \text{A};V_{\rm CC}$ = 0.8 V to 3.6 V	V	_{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.1	7 × V _{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
		$I_{\rm O}$ = -2.3 mA; $V_{\rm CC}$ = 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
		$I_{\rm O}$ = -4.0 mA; $V_{\rm CC}$ = 3.0 V		2.55	-	-	V
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$					
		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		-	-	0.3 × 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
l _l	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	μA
ΔI_{OFF}	additional power-off leakage current	$V_{1} \text{ or } V_{O} = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$		-	-	±0.6	μA
I _{CC}	supply current	$V_1 = GND \text{ or } V_{CC}; I_0 = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$		-	-	0.9	μA

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
ΔI_{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ [1] $V_{CC} = 3.3 \text{ V}$	-	-	50	μA
$T_{amb} = -40$	0 °C to +125 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	$0.75 \times V_{CC}$	-	-	V
		V _{CC} = 0.9 V to 1.95 V	$0.70 \times V_{CC}$	-	-	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
VIL	LOW-level input voltage	V _{CC} = 0.8 V	-	-	$0.25 \times V_{CC}$	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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = -20 $\mu\text{A};V_{\rm CC}$ = 0.8 V to 3.6 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
		$I_{\rm O}$ = -2.3 mA; $V_{\rm CC}$ = 2.3 V	1.77	-	-	V
		I _O = -3.1 mA; V _{CC} = 2.3 V	1.67	-	-	V
		$I_{\rm O}$ = -2.7 mA; $V_{\rm CC}$ = 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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		I_{O} = 20 µA; V_{CC} = 0.8 V to 3.6 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
I _{OFF}	power-off leakage current	V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.75	μA
ΔI_{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.75	μA
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	1.4	μA
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ ^[1] $V_{CC} = 3.3 \text{ V}$	-	-	75	μA

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

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11 Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions		25 °C		-40 °C to +125 °C			Unit
				Typ ^[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF		·			1				
t _{pd}	propagation delay	nA or nB to nY; see Figure 8 ^[2]							
		V _{CC} = 0.8 V	-	16.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.4	5.1	10.9	2.1	11.9	13.2	ns
		V _{CC} = 1.4 V to 1.6 V	1.6	3.6	6.6	1.4	7.5	8.3	ns
		V _{CC} = 1.65 V to 1.95 V	1.4	3.0	5.2	1.2	6.0	6.6	ns
		V_{CC} = 2.3 V to 2.7 V	1.1	2.4	3.9	1.0	4.6	5.1	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	2.1	3.5	0.9	4.1	4.6	ns
C _L = 10 p	F					1			
t _{pd}	propagation delay	nA or nB to nY; see Figure 8 ^[2]							
		V _{CC} = 0.8 V	-	20.3	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.3	5.9	12.7	2.1	13.8	15.2	ns
		V _{CC} = 1.4 V to 1.6 V	1.9	4.2	7.7	1.7	8.7	9.6	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	3.5	6.0	1.5	6.9	7.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	2.9	4.6	1.3	5.5	6.1	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	2.7	4.3	1.2	5.0	5.5	ns
C _L = 15 p	F								
t _{pd}	propagation delay	nA or nB to nY; see Figure 8 [2]							
		V _{CC} = 0.8 V	-	23.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.3	6.7	14.3	3.0	15.6	17.2	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.8	8.6	2.0	9.8	10.8	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	4.0	6.7	1.8	7.9	8.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	3.3	5.3	1.6	6.3	6.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.5	3.1	4.9	1.5	5.8	6.4	ns
C _L = 30 p	F					1			
t _{pd}	propagation delay	nA or nB to nY; see Figure 8 [2]							
		V _{CC} = 0.8 V	-	34.1	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.5	9.0	19.1	4.0	21.5	23.7	ns
		V _{CC} = 1.4 V to 1.6 V	3.4	6.3	11.3	2.9	13.3	14.7	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	5.3	8.9	2.4	10.7	11.8	ns
		V _{CC} = 2.3 V to 2.7 V	2.3	4.4	7.0	2.2	8.4	9.3	ns
		V _{CC} = 3.0 V to 3.6 V	2.2	4.2	6.4	2.1	7.7	8.5	ns

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Low-power dual 2-input OR gate

Symbol Parameter		Conditions		25 °C		-40 °C to +125 °C			Unit
			Min	Typ ^[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF	, 10 pF, 15 pF and 3	0 pF							
C _{PD}	power dissipation	f_i = 1 MHz; V_I = GND to V_{CC} ^[3]							
	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	-	2.7	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	2.9	-	-	-	-	pF
		V_{CC} = 2.3 V to 2.7 V	-	3.3	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	3.7	-	-	-	-	pF

All typical values are measured at nominal $\ensuremath{\mathsf{V}_{\text{CC}}}$ [1]

[2] [3]

 t_{pd} is the same as t_{PLH} and t_{PHL} . C_{PD} is used to determine the dynamic power dissipation (P_D in µW).

 $P_{D} = C_{PD} \times V_{CC}^{2} \times f_{i} \times N + \Sigma (C_{L} \times V_{CC}^{2} \times f_{o}) \text{ where:}$

 f_i = input frequency in MHz;

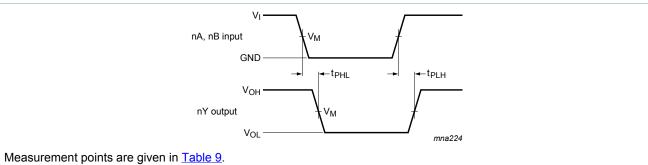
fo = output frequency in MHz;

 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 Waveforms and test circuit



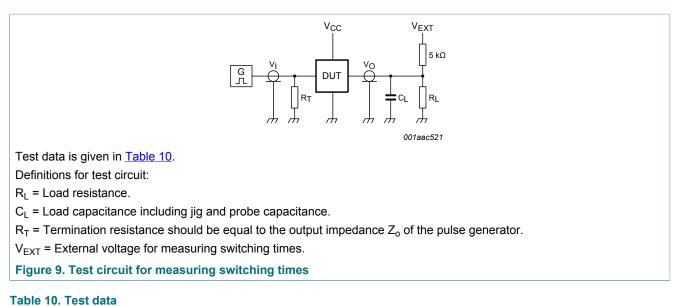
Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Figure 8. The data input (nA or nB) to output (nY) propagation delays

Table 9. Measurement points

Supply voltage	Output	Input					
V _{cc}	V _M	V_{M} V_{I} $t_{r} = t_{f}$					
0.8 V to 3.6 V	0.5 × V _{CC}	0.5 × V _{CC}	V _{CC}	≤ 3.0 ns			

Low-power dual 2-input OR gate

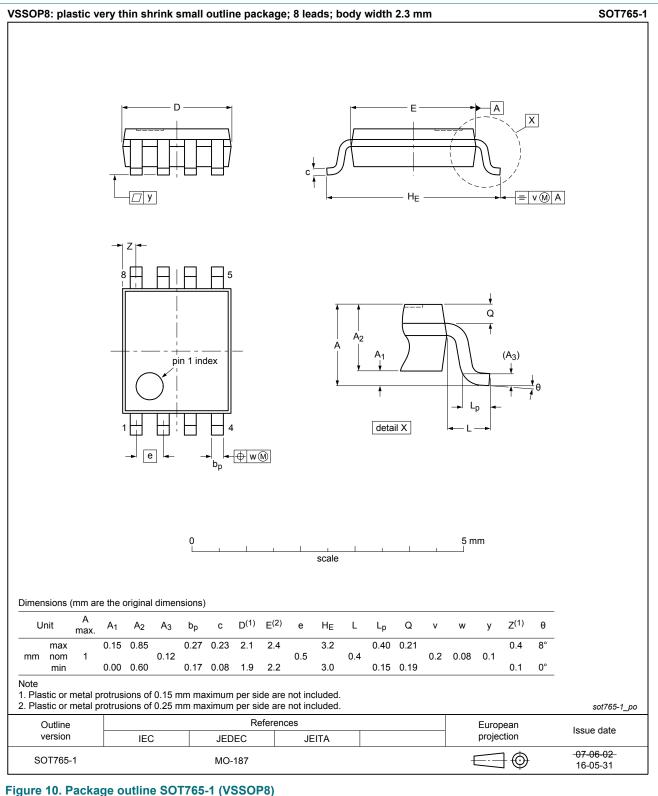


Supply voltage	Load		V _{EXT}		
V _{cc}	CL	R _L ^[1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
0.8 V to 3.6 V	5 pF, 10 pF, 15 pF and 30 pF	5 k Ω or 1 M Ω	open	GND	2 × V _{CC}

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

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12 Package outline

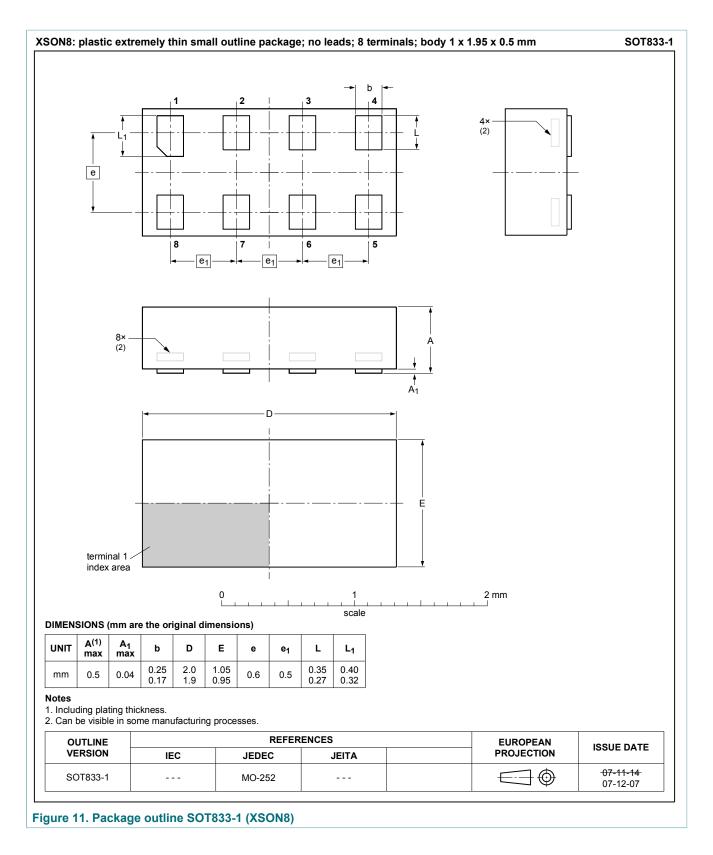


ure 10. Package outline SOT765-T (VSSOP6)

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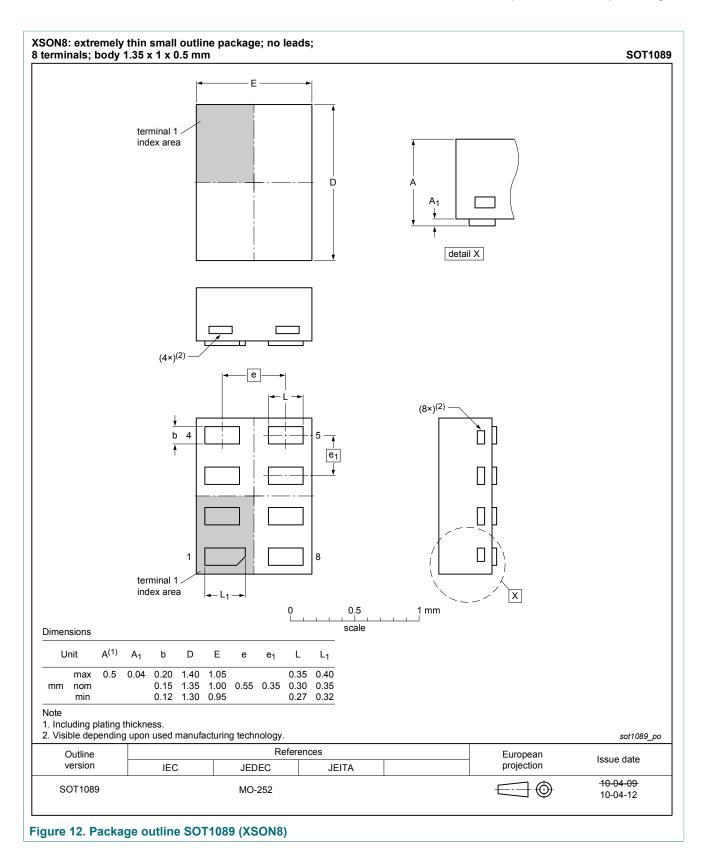
Low-power dual 2-input OR gate



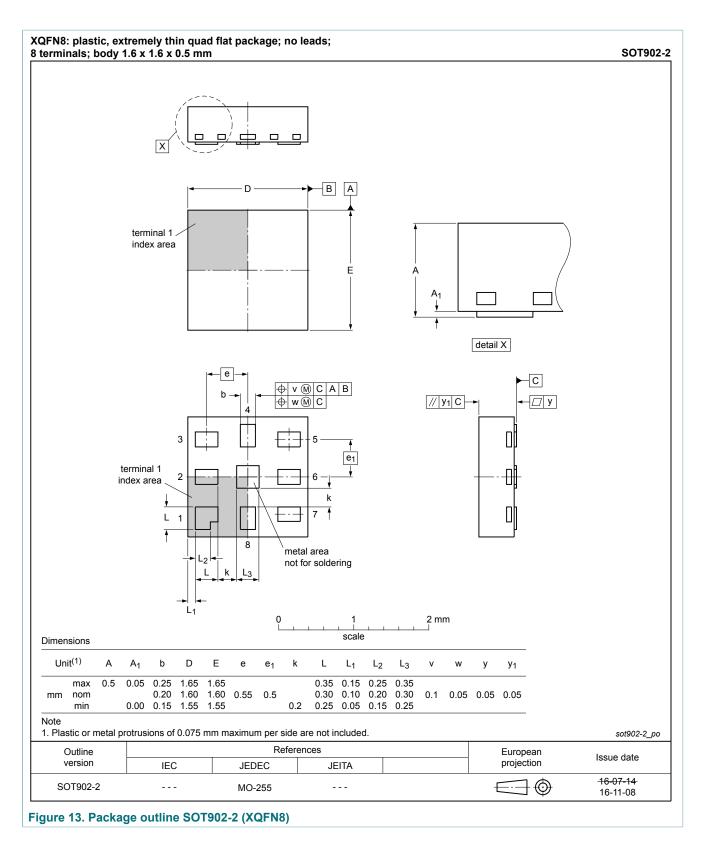
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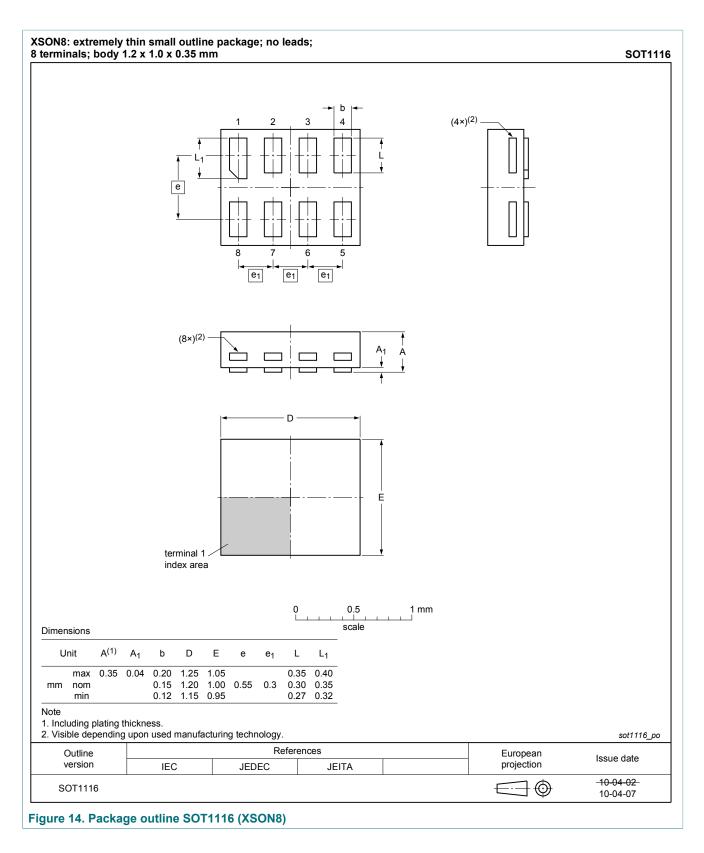
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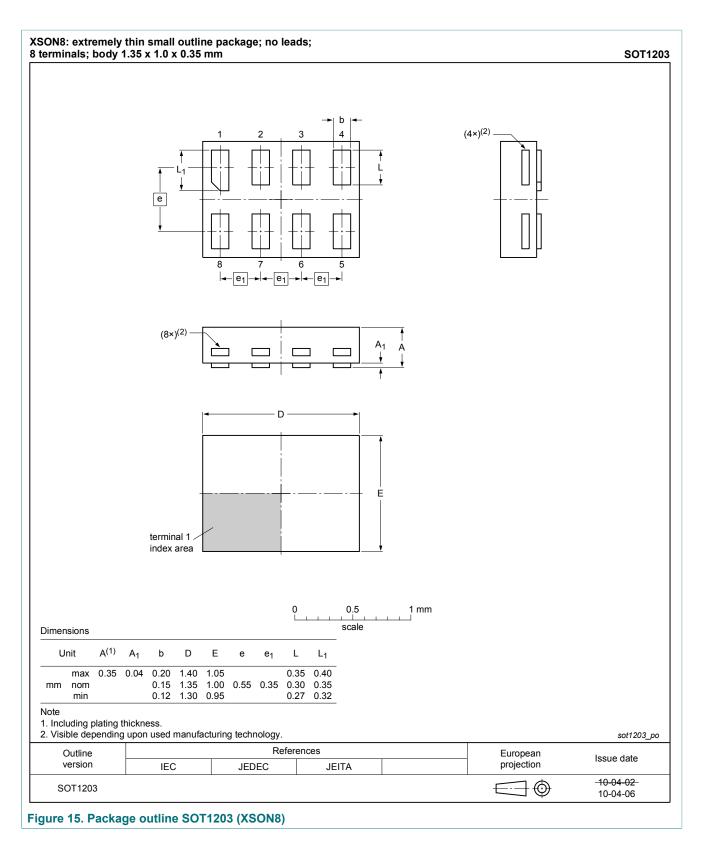
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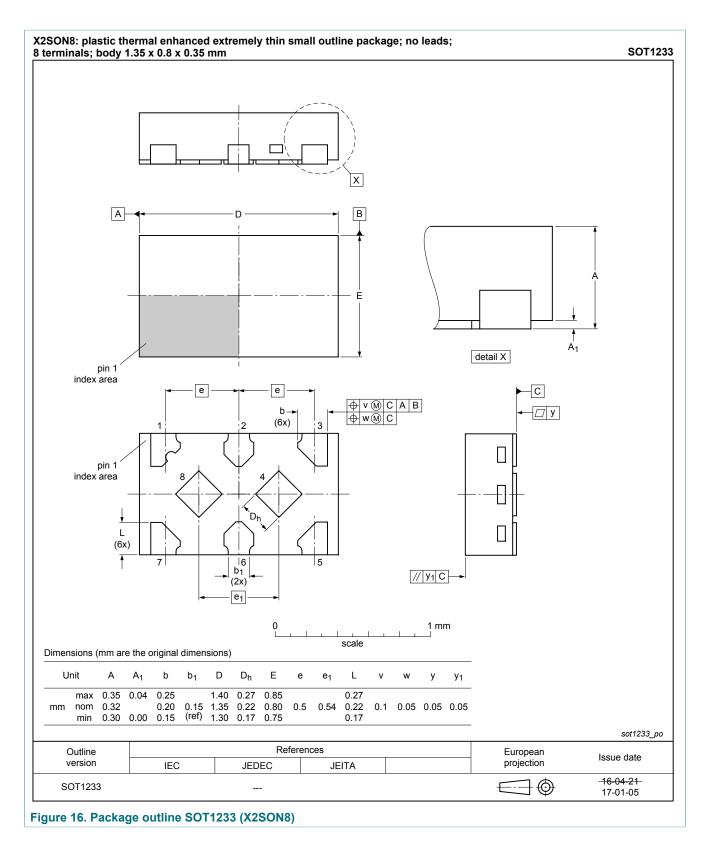
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13 Abbreviations

Table 11. Abbreviations			
Acronym	Description		
CDM	Charged Device Model		
DUT	Device Under Test		
ESD	ElectroStatic Discharge		
HBM	Human Body Model		
MM	Machine Model		

14 Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74AUP2G32 v.8	20170703	Product data sheet	-	74AUP2G32 v.7	
Modifications:	Nexperia. • Legal texts hav • Type number 7	his data sheet has been redesi re been adapted to the new cor 74AUP2G32GX (SOT1233 / X2 74AUP2G32GD removed.	mpany name where		
74AUP2G32 v.7	20130123	Product data sheet	-	74AUP2G32 v.6	
Modifications:	For type number 74AUP2G32GD XSON8U has changed to XSON8.				
74AUP2G32 v.6	20120605	Product data sheet	-	74AUP2G32 v.5	
74AUP2G32 v.5	20111206	Product data sheet	-	74AUP2G32 v.4	
74AUP2G32 v.4	20101021	Product data sheet	-	74AUP2G32 v.3	
74AUP2G32 v.3	20090108	Product data sheet	-	74AUP2G32 v.2	
74AUP2G32 v.2	20080228	Product data sheet	-	74AUP2G32 v.1	
74AUP2G32 v.1	20061006	Product data sheet	-	-	

15 Legal information

15.1 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. [1]

The term 'short data sheet' is explained in section "Definitions". [2] [3]

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Date of release: 3 July 2017 Document identifier: 74AUP2G32

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