

74AUP1G126

Low-power buffer/line driver; 3-state

Rev. 7 — 16 May 2018

Product data sheet

1 General description

The 74AUP1G126 provides a single non-inverting buffer/line driver with 3-state output. The 3-state output is controlled by the output enable input (OE). A LOW level at pin OE causes the output to assume a high-impedance OFF-state. This device has the input-disable feature, which allows floating input signals. The inputs are disabled when the output enable input OE is LOW.

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.

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)
- 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; $I_{CC} = 0.9 \mu\text{A}$ (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}
- Input-disable feature allows floating input conditions
- 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

3 Ordering information

Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74AUP1G126GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1
74AUP1G126GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm	SOT886
74AUP1G126GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1 x 0.5 mm	SOT891
74AUP1G126GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm	SOT1115
74AUP1G126GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm	SOT1202
74AUP1G126GX	-40 °C to +125 °C	X2SON5	plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 x 0.8 x 0.35 mm	SOT1226

4 Marking

Table 2. Marking

Type number	Marking code ^[1]
74AUP1G126GW	pN
74AUP1G126GM	pN
74AUP1G126GF	pN
74AUP1G126GN	pN
74AUP1G126GS	pN
74AUP1G126GX	pN

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

5 Functional diagram

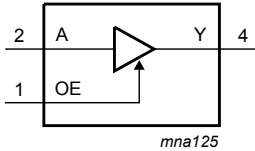


Figure 1. Logic symbol

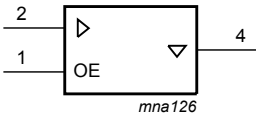


Figure 2. IEC logic symbol

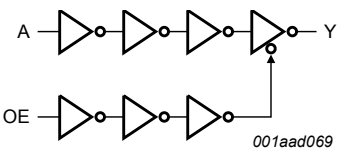


Figure 3. Logic diagram

6 Pinning information

6.1 Pinning

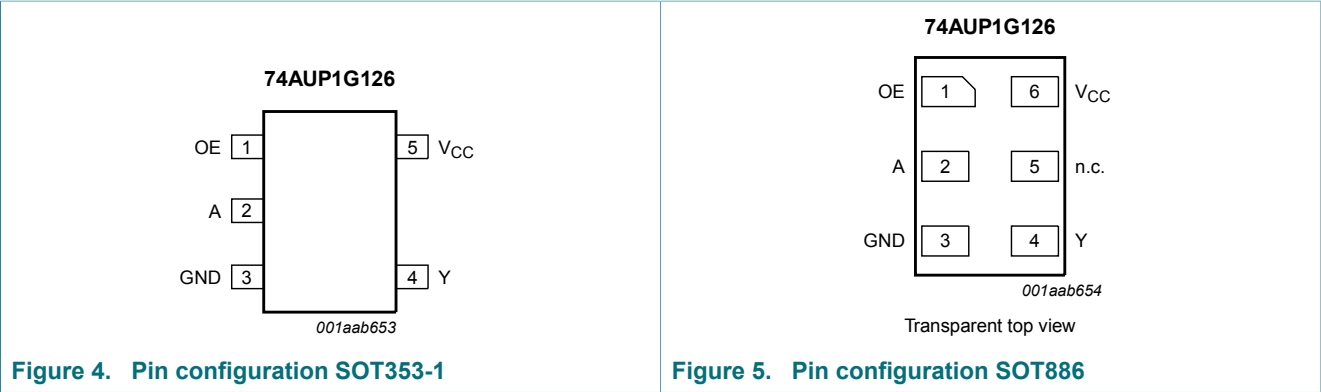


Figure 4. Pin configuration SOT353-1

Figure 5. Pin configuration SOT886

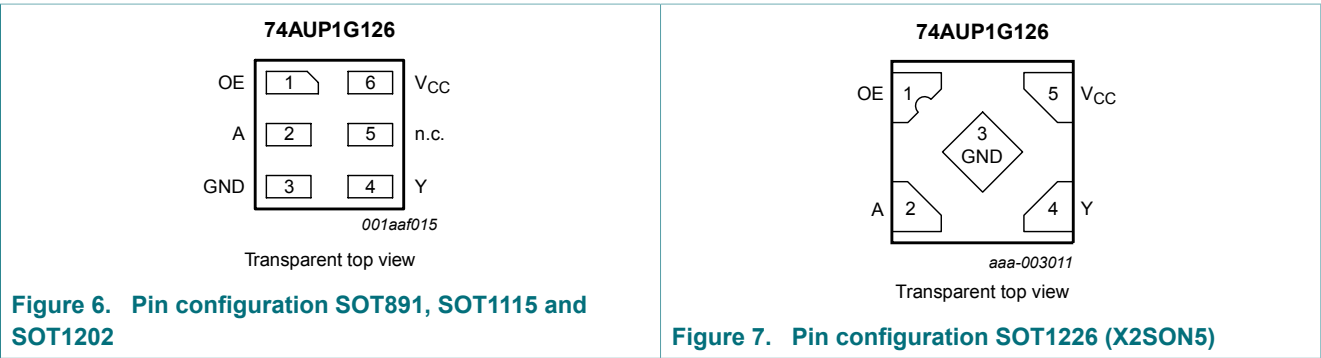


Figure 6. Pin configuration SOT891, SOT1115 and SOT1202

Figure 7. Pin configuration SOT1226 (X2SON5)

6.2 Pin description

Table 3. Pin description

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

7 Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level; X = Don't care; Z = high-impedance OFF-state.

Input		Output
OE	A	Y
H	L	L
H	H	H
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
V_I	input voltage	[1]	-0.5	+4.6	V
I_{OK}	output clamping current	$V_O < 0$ V	-50	-	mA
V_O	output voltage	Active mode [1]	-0.5	$V_{CC} + 0.5$	V
		Power-down mode [1]	-0.5	+4.6	V
I_O	output current	$V_O = 0$ 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	$T_{amb} = -40$ °C to +125 °C [2]	-	250	mW

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

[2] For TSSOP5 packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K.

For XSON6 and X2SON5 packages: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

9 Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
V_{CC}	supply voltage		0.8	3.6	V
V_I	input voltage		0	3.6	V
V_O	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
$\Delta t/\Delta V$	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	Typ	Max	Unit
T_{amb} = 25 °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 µA; 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 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 _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
I _I	input leakage current	V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.1	µA
I _{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	-	-	±0.1	µA
I _{OFF}	power-off leakage current	V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V	-	-	±0.2	µA
ΔI _{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	µA

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
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	μA
ΔI _{CC}	additional supply current	data input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	40	μA
		OE input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	110	μA
		all inputs; V _I = GND to 3.6 V; OE = GND; V _{CC} = 0.8 V to 3.6 V ^[2]	-	-	1	μA
C _I	input capacitance	V _{CC} = 0 V to 3.6 V; V _I = GND or V _{CC}	-	0.9	-	pF
C _O	output capacitance	output enabled; V _O = GND; V _{CC} = 0 V	-	1.7	-	pF
		output disabled; V _{CC} = 0 V to 3.6 V; V _O = GND or V _{CC}	-	1.5	-	pF
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 μA; V _{CC} = 0.8 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.7 × 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 _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

Symbol	Parameter	Conditions	Min	Typ	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	-	-	0.3 × 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
I _{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	-	-	±0.5	μA
I _{OFF}	power-off leakage current	V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V	-	-	±0.5	μA
ΔI _{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	μA
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	μA
ΔI _{CC}	additional supply current	data input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	50	μA
		OE input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	120	μA
		all inputs; V _I = GND to 3.6 V; OE = GND; V _{CC} = 0.8 V to 3.6 V ^[2]	-	-	1	μA
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
		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	-	-	0.25 × 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

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V _{OH}	HIGH-level output voltage	V _I = V _{IH} or V _{IL}				
		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	0.6 × 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	-	-	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 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 _{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 _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 _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V	-	-	±0.75	µA
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	µA
ΔI _{CC}	additional supply current	data input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	75	µA
		OE input; V _I = V _{CC} - 0.6 V; I _O = 0 A; V _{CC} = 3.3 V ^[1]	-	-	180	µA
		all inputs; V _I = GND to 3.6 V; OE = GND; V _{CC} = 0.8 V to 3.6 V ^[2]	-	-	1	µA

[1] One input at V_{CC} - 0.6 V, other input at V_{CC} or GND.[2] To show I_{CC} remains very low when the input-disable feature is enabled.

11 Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see [Figure 10](#)

Symbol	Parameter	Conditions	Min	Typ ^[1]	Max	Unit
T _{amb} = 25 °C; C _L = 5 pF						
t _{pd}	propagation delay	A to Y; see Figure 8 ^[2]				
		V _{CC} = 0.8 V	-	20.6	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.8	5.5	10.5	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	3.9	6.1	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	3.2	4.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.6	2.6	3.6	ns
		V _{CC} = 3.0 V to 3.6 V	1.4	2.4	3.1	ns
t _{en}	enable time	OE to Y; see Figure 9 ^[3]				
		V _{CC} = 0.8 V	-	71.6	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.8	6.2	12.4	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.2	6.9	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	3.3	5.3	ns
		V _{CC} = 2.3 V to 2.7 V	1.5	2.4	3.6	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	2.0	2.9	ns
t _{dis}	disable time	OE to Y; see Figure 9 ^[4]				
		V _{CC} = 0.8 V	-	10.3	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	4.2	6.2	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	3.2	4.4	ns
		V _{CC} = 1.65 V to 1.95 V	2.1	3.1	4.4	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	2.4	3.2	ns
		V _{CC} = 3.0 V to 3.6 V	2.1	2.8	3.6	ns
T _{amb} = 25 °C; C _L = 10 pF						
t _{pd}	propagation delay	see Figure 8 ^[2]				
		V _{CC} = 0.8 V	-	24.0	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.2	6.4	12.3	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	4.5	7.3	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	3.8	5.5	ns
		V _{CC} = 2.3 V to 2.7 V	2.1	3.2	4.2	ns
		V _{CC} = 3.0 V to 3.6 V	1.8	3.0	3.8	ns

Symbol	Parameter	Conditions	Min	Typ ^[1]	Max	Unit
t _{en}	enable time	see Figure 9 ^[3]				
		V _{CC} = 0.8 V	-	75.3	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.2	7.1	14.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	4.8	8.0	ns
		V _{CC} = 1.65 V to 1.95 V	1.8	3.9	5.9	ns
		V _{CC} = 2.3 V to 2.7 V	1.5	2.9	4.2	ns
		V _{CC} = 3.0 V to 3.6 V	1.4	2.6	3.6	ns
t _{dis}	disable time	see Figure 9 ^[4]				
		V _{CC} = 0.8 V	-	12.2	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.5	5.3	7.6	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	4.1	5.6	ns
		V _{CC} = 1.65 V to 1.95 V	2.4	4.2	5.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.9	3.2	4.1	ns
		V _{CC} = 3.0 V to 3.6 V	2.4	4.1	5.0	ns
T _{amb} = 25 °C; C _L = 15 pF						
t _{pd}	propagation delay	see Figure 8 ^[2]				
		V _{CC} = 0.8 V	-	27.4	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.6	7.2	14.1	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	5.1	8.1	ns
		V _{CC} = 1.65 V to 1.95 V	2.2	4.3	6.3	ns
		V _{CC} = 2.3 V to 2.7 V	2.0	3.7	4.9	ns
		V _{CC} = 3.0 V to 3.6 V	2.0	3.5	4.4	ns
t _{en}	enable time	see Figure 9 ^[3]				
		V _{CC} = 0.8 V	-	79.2	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.6	7.8	15.8	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	5.4	8.8	ns
		V _{CC} = 1.65 V to 1.95 V	2.1	4.3	6.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.8	3.4	4.8	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	3.1	4.3	ns

Symbol	Parameter	Conditions	Min	Typ ^[1]	Max	Unit
t _{dis}	disable time	see Figure 9 ^[4]				
		V _{CC} = 0.8 V	-	14.9	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.3	6.4	8.5	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	5.0	6.6	ns
		V _{CC} = 1.65 V to 1.95 V	3.1	5.4	6.6	ns
		V _{CC} = 2.3 V to 2.7 V	2.4	4.0	5.0	ns
		V _{CC} = 3.0 V to 3.6 V	3.2	5.3	6.2	ns
T _{amb} = 25 °C; C _L = 30 pF						
t _{pd}	propagation delay	see Figure 8 ^[2]				
		V _{CC} = 0.8 V	-	37.4	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.8	9.5	18.7	ns
		V _{CC} = 1.4 V to 1.6 V	4.0	6.7	10.8	ns
		V _{CC} = 1.65 V to 1.95 V	2.9	5.6	8.4	ns
		V _{CC} = 2.3 V to 2.7 V	2.7	4.8	6.3	ns
		V _{CC} = 3.0 V to 3.6 V	2.7	4.6	5.8	ns
t _{en}	enable time	see Figure 9 ^[3]				
		V _{CC} = 0.8 V	-	90.6	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.7	10.0	20.4	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	6.9	11.3	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	5.6	8.6	ns
		V _{CC} = 2.3 V to 2.7 V	2.3	4.5	6.3	ns
		V _{CC} = 3.0 V to 3.6 V	2.2	4.2	5.8	ns
t _{dis}	disable time	see Figure 9 ^[4]				
		V _{CC} = 0.8 V	-	51.6	-	ns
		V _{CC} = 1.1 V to 1.3 V	6.0	9.8	13.6	ns
		V _{CC} = 1.4 V to 1.6 V	4.5	7.7	10.5	ns
		V _{CC} = 1.65 V to 1.95 V	5.2	8.8	11.4	ns
		V _{CC} = 2.3 V to 2.7 V	3.9	6.4	7.4	ns
		V _{CC} = 3.0 V to 3.6 V	5.5	9.0	10.7	ns

Symbol	Parameter	Conditions	Min	Typ ^[1]	Max	Unit
T_{amb} = 25 °C						
C _{PD}	power dissipation capacitance	f = 1 MHz; V _I = GND to V _{CC} ^[5]				
		output enabled				
		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] All typical values are measured at nominal V_{CC}.

[2] t_{pd} is the same as t_{PLH} and t_{PHL}.

[3] 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} × V_{CC}² × f_i × N + Σ(C_L × V_{CC}² × 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;

Σ(C_L × V_{CC}² × f_o) = sum of the outputs.

Table 9. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see [Figure 10](#)

Symbol	Parameter	Conditions	-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Max	Min	Max	
C _L = 5 pF							
t _{pd}	propagation delay	A to Y; see Figure 8 ^[1]					
		V _{CC} = 1.1 V to 1.3 V	2.5	11.7	2.5	12.9	ns
		V _{CC} = 1.4 V to 1.6 V	2.0	7.3	2.0	8.1	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	6.1	1.7	6.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	4.3	1.4	4.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.2	3.9	1.2	4.4	ns
t _{en}	enable time	OE to Y; see Figure 9 ^[2]					
		V _{CC} = 1.1 V to 1.3 V	2.6	13.6	2.6	13.6	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	7.4	2.2	7.7	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	5.9	1.7	6.2	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	3.8	1.4	4.1	ns
		V _{CC} = 3.0 V to 3.6 V	1.2	3.2	1.2	3.4	ns

Symbol	Parameter	Conditions	-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Max	Min	Max	
t _{dis}	disable time	OE to Y; see Figure 9 ^[3]					
		V _{CC} = 1.1 V to 1.3 V	2.9	6.4	2.9	6.5	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	4.6	2.2	4.7	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	4.6	1.7	4.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	3.4	1.4	3.6	ns
		V _{CC} = 3.0 V to 3.6 V	1.2	3.7	1.2	3.8	ns
C _L = 10 pF							
t _{pd}	propagation delay	A to Y; see Figure 8 ^[1]					
		V _{CC} = 1.1 V to 1.3 V	3.0	13.8	3.0	15.2	ns
		V _{CC} = 1.4 V to 1.6 V	1.9	8.5	1.9	9.4	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	6.8	1.7	7.6	ns
		V _{CC} = 2.3 V to 2.7 V	1.6	5.3	1.6	5.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	4.6	1.6	5.2	ns
t _{en}	enable time	OE to Y; see Figure 9 ^[2]					
		V _{CC} = 1.1 V to 1.3 V	3.0	15.4	3.0	15.4	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	8.3	2.1	8.6	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	6.5	1.7	6.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	4.5	1.4	4.8	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	3.8	1.3	4.0	ns
t _{dis}	disable time	OE to Y; see Figure 9 ^[3]					
		V _{CC} = 1.1 V to 1.3 V	3.3	7.9	3.3	7.9	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	5.7	2.1	5.9	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	5.8	1.7	6.0	ns
		V _{CC} = 2.3 V to 2.7 V	1.4	4.3	1.4	4.5	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	5.2	1.3	5.3	ns

Symbol	Parameter	Conditions	-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Max	Min	Max	
C _L = 15 pF							
t _{pd}	propagation delay	A to Y; see Figure 8 ^[1]					
		V _{CC} = 1.1 V to 1.3 V	3.3	15.8	3.3	17.5	ns
		V _{CC} = 1.4 V to 1.6 V	2.5	9.8	2.5	10.9	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	7.9	2.0	8.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.8	6.0	1.8	6.7	ns
		V _{CC} = 3.0 V to 3.6 V	1.8	5.4	1.8	6.1	ns
t _{en}	enable time	OE to Y; see Figure 9 ^[2]					
		V _{CC} = 1.1 V to 1.3 V	3.3	17.1	3.3	17.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.9	9.4	2.9	9.7	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	7.3	2.0	7.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	5.2	1.7	5.6	ns
		V _{CC} = 3.0 V to 3.6 V	1.5	4.5	1.5	4.7	ns
t _{dis}	disable time	OE to Y; see Figure 9 ^[3]					
		V _{CC} = 1.1 V to 1.3 V	3.7	9.3	3.7	9.4	ns
		V _{CC} = 1.4 V to 1.6 V	2.5	6.9	2.5	7.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	7.4	2.0	7.5	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	5.1	1.7	5.5	ns
		V _{CC} = 3.0 V to 3.6 V	1.5	6.7	1.5	6.9	ns

Symbol	Parameter	Conditions	-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Max	Min	Max	
C _L = 30 pF							
t _{pd}	propagation delay	A to Y; see Figure 8 ^[1]					
		V _{CC} = 1.1 V to 1.3 V	4.4	21.4	4.4	24.0	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	13.0	3.0	14.5	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	10.3	2.6	11.5	ns
		V _{CC} = 2.3 V to 2.7 V	2.5	7.8	2.5	8.7	ns
		V _{CC} = 3.0 V to 3.6 V	2.5	7.0	2.5	8.3	ns
t _{en}	enable time	OE to Y; see Figure 9 ^[2]					
		V _{CC} = 1.1 V to 1.3 V	4.3	22.0	4.3	22.0	ns
		V _{CC} = 1.4 V to 1.6 V	3.7	12.0	3.7	12.5	ns
		V _{CC} = 1.65 V to 1.95 V	3.2	9.5	3.2	10.1	ns
		V _{CC} = 2.3 V to 2.7 V	2.9	6.8	2.9	7.3	ns
		V _{CC} = 3.0 V to 3.6 V	2.7	6.4	2.7	6.7	ns
t _{dis}	disable time	OE to Y; see Figure 9 ^[3]					
		V _{CC} = 1.1 V to 1.3 V	4.7	14.3	4.7	14.4	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	10.7	3.0	11.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	11.5	2.6	11.6	ns
		V _{CC} = 2.3 V to 2.7 V	2.3	9.0	2.3	10.2	ns
		V _{CC} = 3.0 V to 3.6 V	2.2	10.8	2.2	12.0	ns

[1] t_{pd} is the same as t_{PLH} and t_{PHL}.

[2] t_{en} is the same as t_{pZH} and t_{pZL}.

[3] t_{dis} is the same as t_{pHZ} and t_{pLZ}.

11.1 Waveforms and test circuit

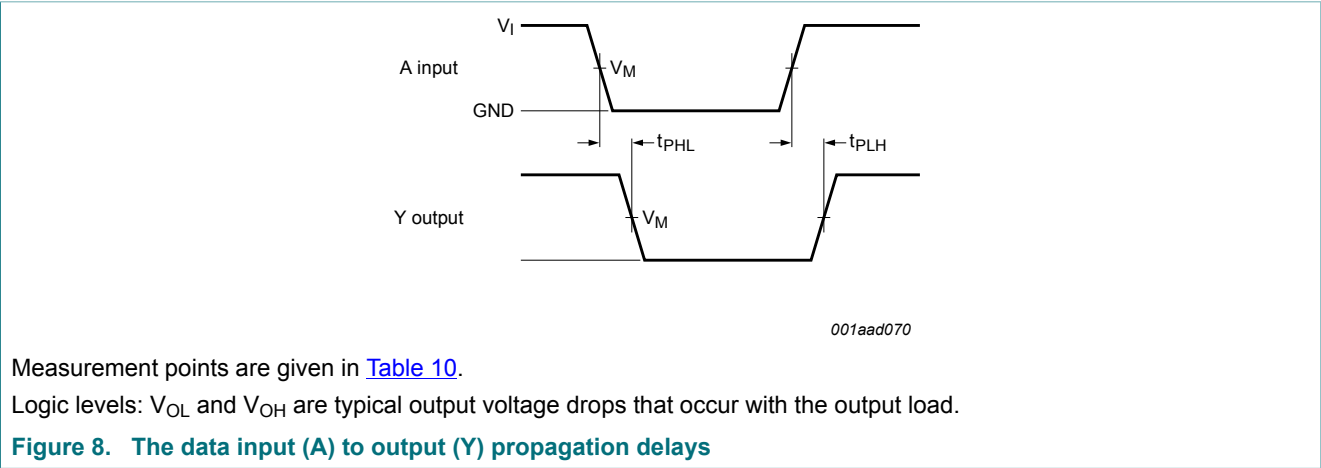


Table 10. Measurement points

Supply voltage	Output	Input		
V_{CC}	V_M	V_M	V_I	$t_r = t_f$
0.8 V to 3.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V_{CC}	$\leq 3.0 \text{ ns}$

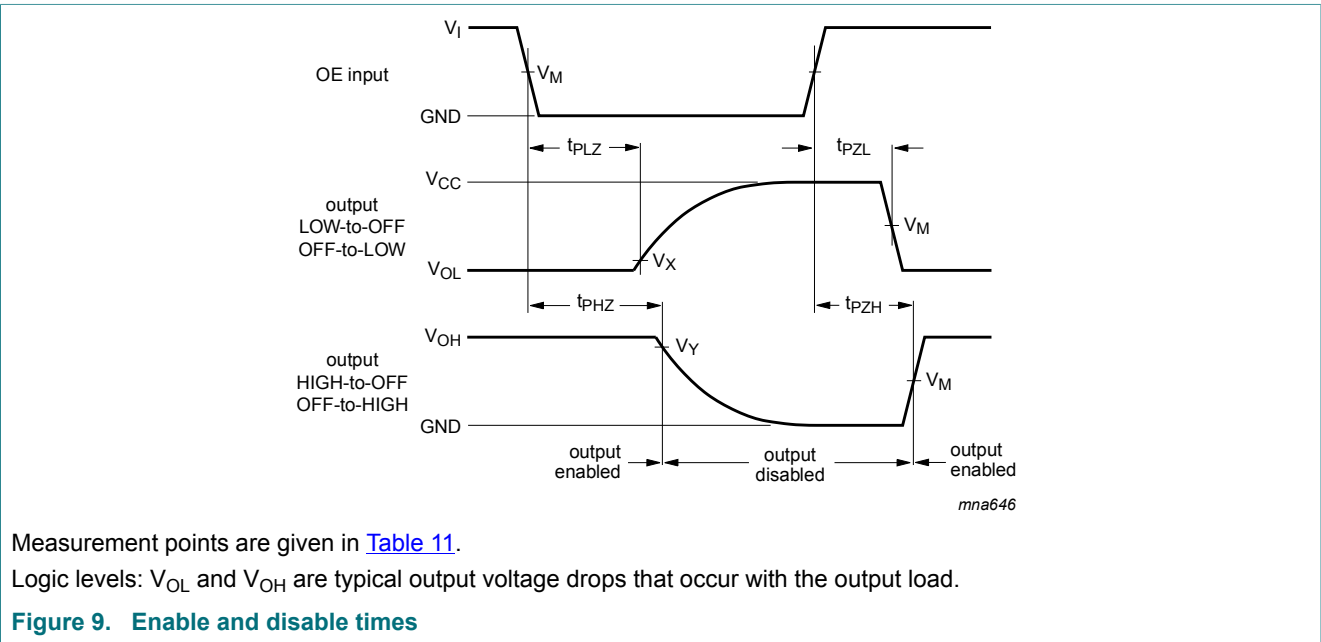
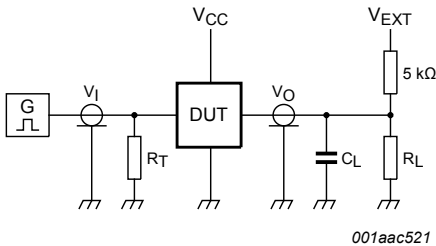


Table 11. Measurement points

Supply voltage	Input	Output		
V_{CC}	V_M	V_M	V_X	V_Y
0.8 V to 1.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.1 \text{ V}$	$V_{OH} - 0.1 \text{ V}$
1.65 V to 2.7 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.15 \text{ V}$	$V_{OH} - 0.15 \text{ V}$
3.0 V to 3.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.3 \text{ V}$	$V_{OH} - 0.3 \text{ V}$



Test data is given in [Table 12](#).

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.

Figure 10. Test circuit for measuring switching times

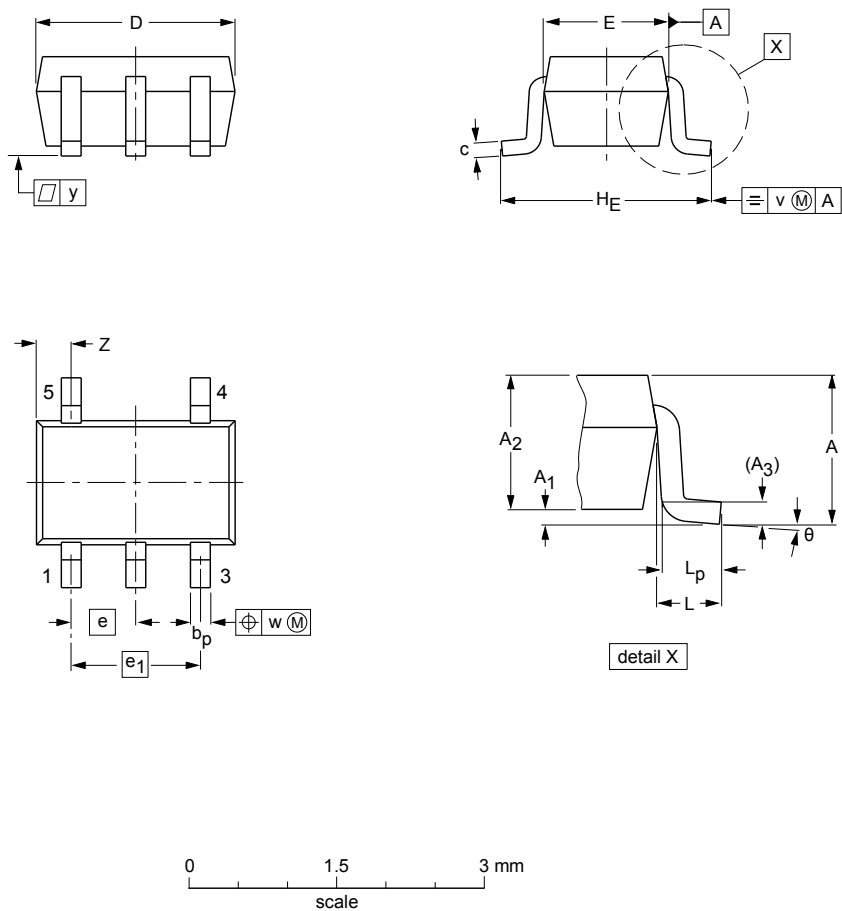
Table 12. Test data

Supply voltage	Load		V_{EXT}		
V_{CC}	C_L	R_L [1]	t_{PLH} , t_{PHL}	t_{PZH} , t_{PHZ}	t_{PZL} , t_{PLZ}
0.8 V to 3.6 V	5 pF, 10 pF, 15 pF and 30 pF	5 kΩ or 1 MΩ	open	GND	$2 \times V_{CC}$

[1] For measuring enable and disable times $R_L = 5\text{ k}\Omega$, for measuring propagation delays, setup and hold times and pulse width $R_L = 1\text{ M}\Omega$.

12 Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm SOT353-1



DIMENSIONS (mm are the original dimensions)

UNIT	A max.	A ₁	A ₂	A ₃	b _p	c	D ⁽¹⁾	E ⁽¹⁾	e	e ₁	H _E	L	L _p	v	w	y	Z ⁽¹⁾	θ
mm	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°

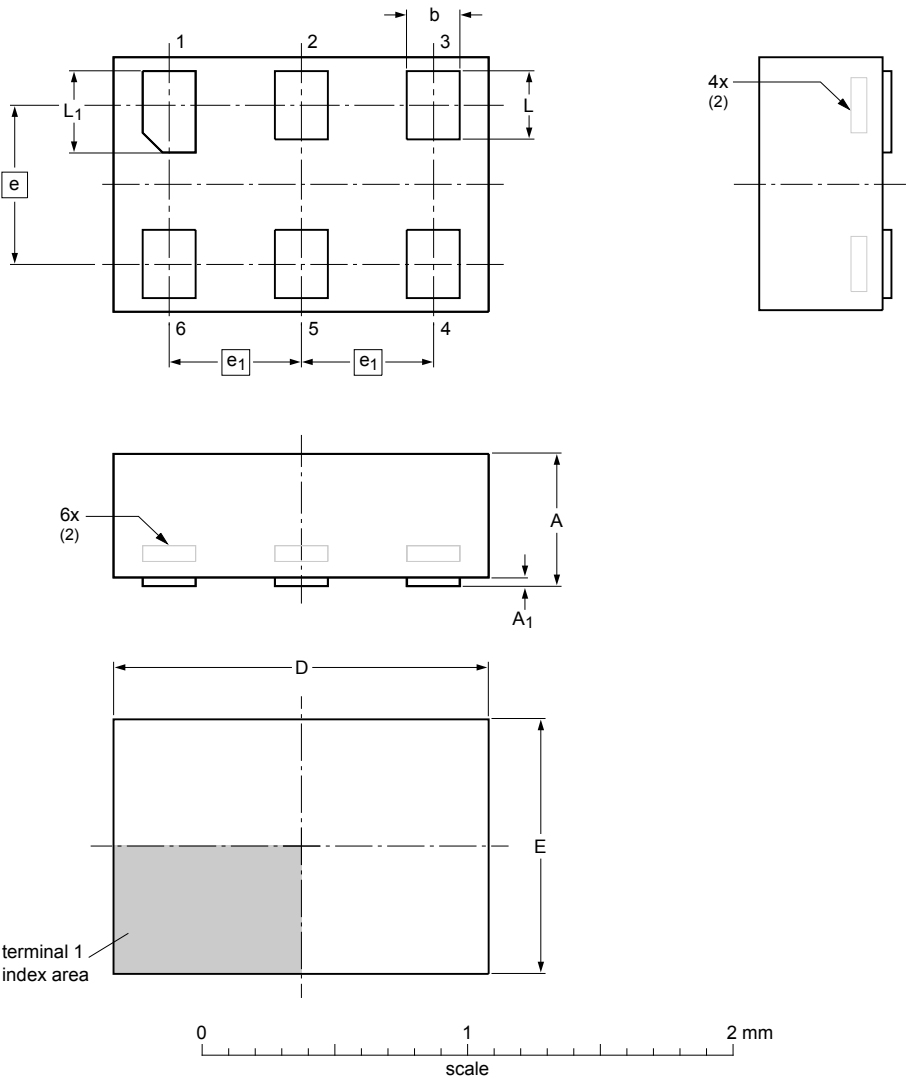
Note
1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

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

Figure 11. Package outline SOT353-1 (TSSOP5)

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm

SOT886



Dimensions (mm are the original dimensions)

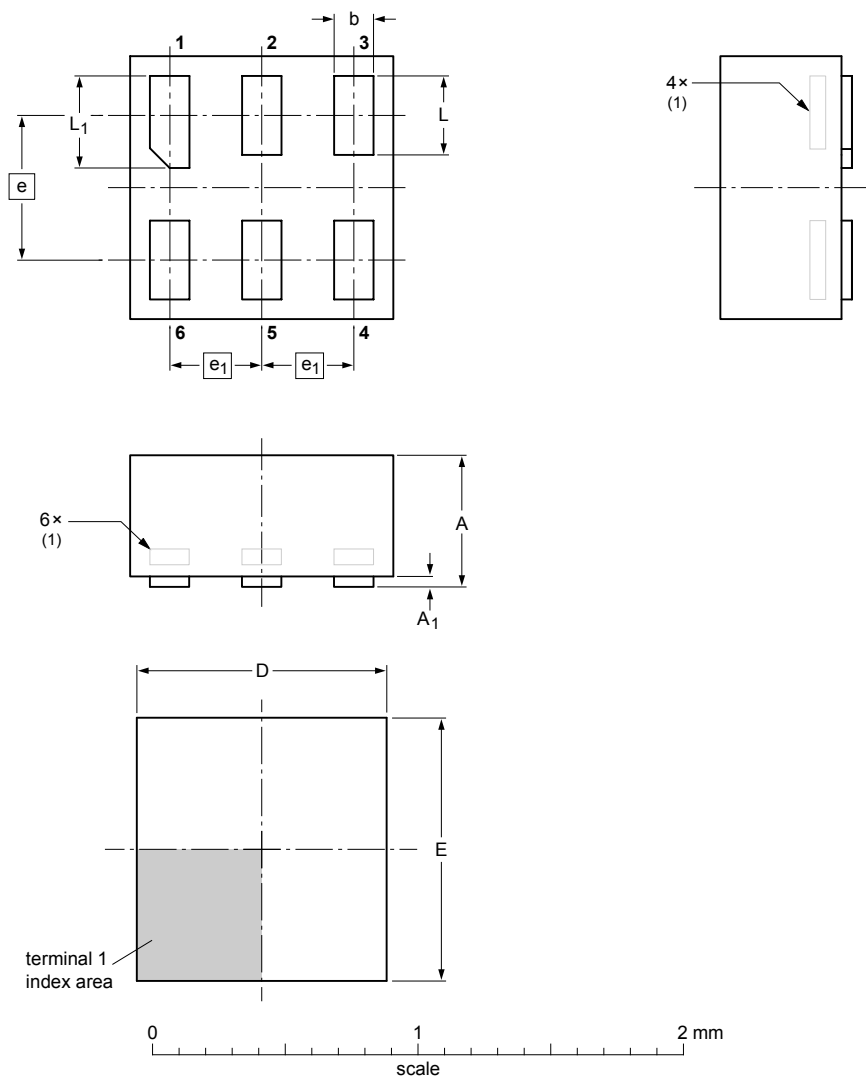
Unit	A ⁽¹⁾	A ₁	b	D	E	e	e ₁	L	L ₁
mm	max	0.5	0.04	0.25	1.50	1.05		0.35	0.40
	nom			0.20	1.45	1.00	0.6	0.30	0.35
	min			0.17	1.40	0.95		0.27	0.32

- Notes
- 1. Including plating thickness.
 - 2. Can be visible in some manufacturing processes.

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT886	MO-252					04-07-22 12-01-05

Figure 12. Package outline SOT886 (XSON6)

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1 x 0.5 mm SOT891



DIMENSIONS (mm are the original dimensions)

UNIT	A max	A ₁ max	b	D	E	e	e ₁	L	L ₁
mm	0.5	0.04	0.20 0.12	1.05 0.95	1.05 0.95	0.55	0.35	0.35 0.27	0.40 0.32

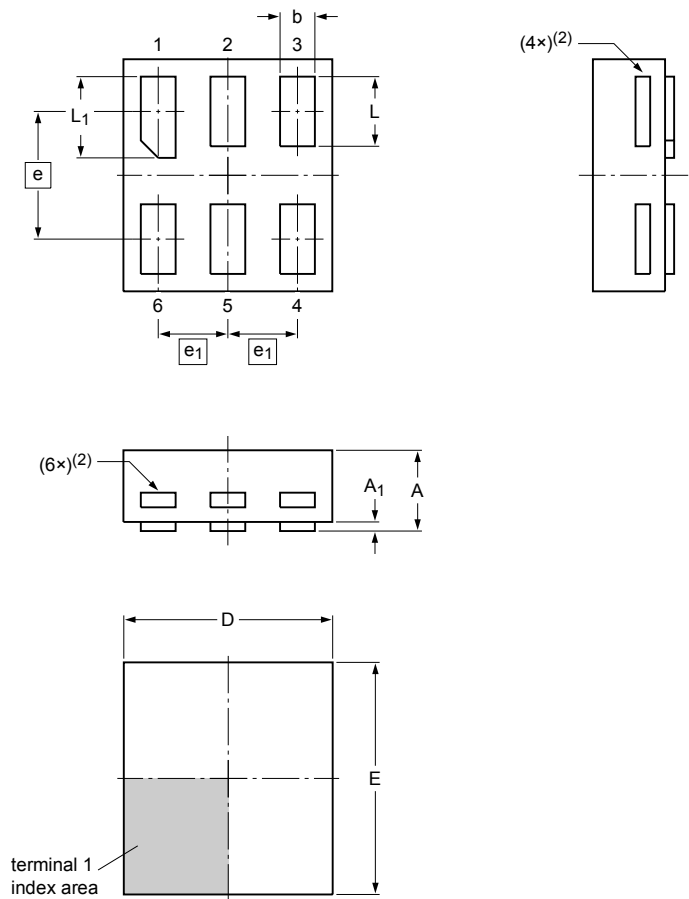
Note
1. Can be visible in some manufacturing processes.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT891						-05-04-06 07-05-15

Figure 13. Package outline SOT891 (XSON6)

XSON6: extremely thin small outline package; no leads;
6 terminals; body 0.9 x 1.0 x 0.35 mm

SOT1115



Dimensions

Unit	A ⁽¹⁾	A ₁	b	D	E	e	e ₁	L	L ₁
mm	max	0.35	0.04	0.20	0.95	1.05		0.35	0.40
	nom			0.15	0.90	1.00	0.55	0.30	0.35
	min			0.12	0.85	0.95		0.27	0.32

Note

- 1. Including plating thickness.
- 2. Visible depending upon used manufacturing technology.

sot1115_po

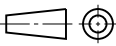
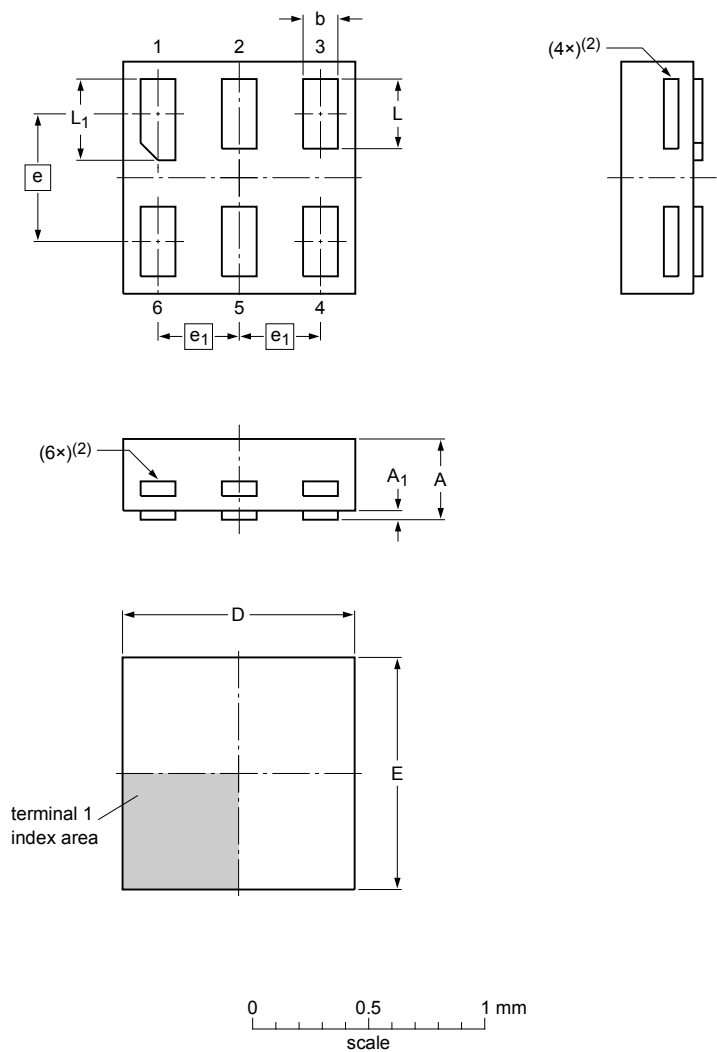
Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT1115						10-04-02- 10-04-07

Figure 14. Package outline SOT1115 (XSON6)

XSON6: extremely thin small outline package; no leads;
6 terminals; body 1.0 x 1.0 x 0.35 mm

SOT1202



Dimensions

Unit	A ⁽¹⁾	A ₁	b	D	E	e	e ₁	L	L ₁
mm	max	0.35	0.04	0.20	1.05	1.05		0.35	0.40
	nom			0.15	1.00	1.00	0.55	0.30	0.35
	min			0.12	0.95	0.95		0.27	0.32

Note

- 1. Including plating thickness.
- 2. Visible depending upon used manufacturing technology.

sot1202_po

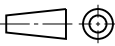
Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT1202						10-04-02 10-04-06

Figure 15. Package outline SOT1202 (XSON6)

13 Abbreviations

Table 13. 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 14. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74AUP1G126 v.7	20180516	Product data sheet	-	74AUP1G126 v.6
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.			
74AUP1G126 v.6	20151002	Product data sheet	-	74AUP1G126 v.5
Modifications:	I_{OK} minimum changed from -0.5 mA to -50 mA (errata) in Table 5..			
74AUP1G126 v.5	20120628	Product data sheet	-	74AUP1G126 v.4
Modifications:	- Added type number 74AUP1G126GX (SOT1226) - Package outline drawing of SOT886 (Figure 12) modified.			
74AUP1G126 v.4	20111124	Product data sheet	-	74AUP1G126 v.3
74AUP1G126 v.3	20100903	Product data sheet	-	74AUP1G126 v.2
74AUP1G126 v.2	20060628	Product data sheet	-	74AUP1G126 v.1
74AUP1G126 v.1	20050725	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.

[1] Please consult the most recently issued document before initiating or completing a design.

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

[3] 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 URL <http://www.nexperia.com>.

15.2 Definitions

Draft — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. Nexperia does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local Nexperia sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

Product specification — The information and data provided in a Product data sheet shall define the specification of the product as agreed between Nexperia and its customer, unless Nexperia and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the Nexperia product is deemed to offer functions and qualities beyond those described in the Product data sheet.

15.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia takes no responsibility for the content in this document if provided by an information source outside of Nexperia. In no event shall Nexperia be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory. Notwithstanding any damages that customer might incur for any reason whatsoever, Nexperia's aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms and conditions of commercial sale of Nexperia.

Right to make changes — Nexperia reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

Suitability for use — Nexperia products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical

systems or equipment, nor in applications where failure or malfunction of an Nexperia product can reasonably be expected to result in personal injury, death or severe property or environmental damage. Nexperia and its suppliers accept no liability for inclusion and/or use of Nexperia products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Applications — Applications that are described herein for any of these products are for illustrative purposes only. Nexperia makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification. Customers are responsible for the design and operation of their applications and products using Nexperia products, and Nexperia accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the Nexperia product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products. Nexperia does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using Nexperia products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). Nexperia does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

Terms and conditions of commercial sale — Nexperia products are sold subject to the general terms and conditions of commercial sale, as published at <http://www.nexperia.com/profile/terms>, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. Nexperia hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of Nexperia products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

Export control — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific Nexperia product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. Nexperia accepts no liability for inclusion and/or use of non-automotive qualified products in automotive equipment or applications. In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without Nexperia's warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond Nexperia's specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies Nexperia for any liability, damages or failed product claims resulting from customer

design and use of the product for automotive applications beyond Nexperia's standard warranty and Nexperia's product specifications.

Translations — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

15.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

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
9	Recommended operating conditions	4
10	Static characteristics	5
11	Dynamic characteristics	9
11.1	Waveforms and test circuit	16
12	Package outline	18
13	Abbreviations	24
14	Revision history	24
15	Legal information	25

Please be aware that important notices concerning this document and the product(s) described herein, have been included in section 'Legal information'.

© Nexperia B.V. 2018.

All rights reserved.

For more information, please visit: <http://www.nexperia.com>

For sales office addresses, please send an email to: salesaddresses@nexperia.com

Date of release: 16 May 2018
Document identifier: 74AUP1G126

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9