



AiP74LV1T126

Single Supply Translating Buffer/Line Driver; 3-State

Product Specification

Specification Revision History:

Version	Date	Description
2024-10-A0	2024-10	New
2025-05-A1	2025-05	Modify the parameters



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1、General Description

The AiP74LV1T126 is a single, level translating buffer/line driver with 3-state output.

The low threshold inputs support 1.8V input logic at $V_{CC}=3.3V$ and can be used in 1.8V to 3.3V level up translation. In addition, the 5V tolerant input pins enable level down translation (3.3V to 2.5V output at $V_{CC}=2.5V$). The output level is referenced to the supply voltage and supports 1.8V, 2.5V, 3.3V and 5.0V CMOS levels.

Features:

- Supply voltage: 1.6V to 5.5V
- Up translation
 - 1.2V to 1.8V at $V_{CC}=1.8V$
 - 1.5V to 2.5V at $V_{CC}=2.5V$
 - 1.8V to 3.3V at $V_{CC}=3.3V$
 - 3.3V to 5.0V at $V_{CC}=5.0V$
- Down translation
 - 3.3V to 1.8V at $V_{CC}=1.8V$
 - 3.3V to 2.5V at $V_{CC}=2.5V$
 - 5.0V to 3.3V at $V_{CC}=3.3V$
- Inputs accept voltages to 5.5V
- Specified from $-40^{\circ}C$ to $+125^{\circ}C$
- Packaging information: SOT23-5/SOT353

Ordering Information:

Reel packing specifications:

Part number	Packaging form	Marking code	Reel quantity	Boxed reel quantity	Notes
AiP74LV1T126GB235.TR	SOT23-5	AiP GZ	3000 PCS/reel	30000 PCS/box	Dimensions of plastic enclosure: 2.9mm×1.6mm Pin spacing: 0.95mm
AiP74LV1T126GC353.TR	SOT353	GZXX	3000 PCS/reel	30000 PCS/box	Dimensions of plastic enclosure: 2.1mm×1.3mm Pin spacing: 0.65mm

Note 1: "XX" refers to variable content, meaning year and package batch serial number.

Note 2: If the physical information is inconsistent with the ordering information, please refer to the actual product.



2、Block Diagram And Pin Description

2.1、Block Diagram

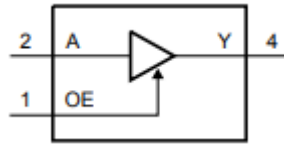


Figure 1. Logic symbol

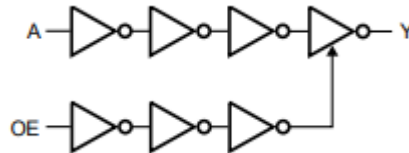
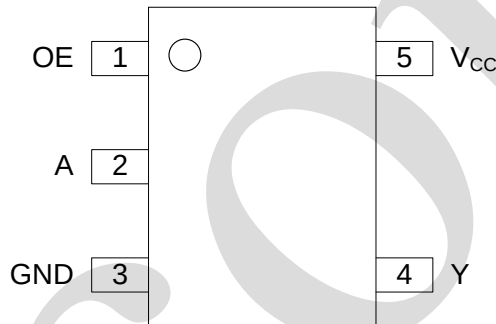


Figure 2. Logic diagram

2.2、Pin Configurations



2.3、Pin Description

Pin No.	Pin Name	Description
1	OE	output enable input
2	A	data input
3	GND	ground (0V)
4	Y	data output
5	V _{CC}	supply voltage



2.4、Function Table

Input		Output
OE	A	Y
H	L	L
H	H	H
L	X	Z

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

3、Electrical Parameter

3.1、Absolute Maximum Ratings

(Voltage are referenced to GND (ground=0V), unless otherwise specified)

Characteristic	Symbol	Conditions	Min.	Max.	Unit
supply voltage	V_{CC}	-	-0.5	+7.0	V
input voltage	V_I	-	-0.5	+7.0	V
output voltage	V_O	output HIGH or LOW state	-0.5	$V_{CC}+0.5$	V
		output in power-off state	-0.5	+4.6	V
supply current	I_{CC}	-	-	50	mA
ground current	I_{GND}	-	-50	-	mA
input clamping current	I_{IK}	$V_I < 0V$	-20	-	mA
output current	I_O	$V_O = 0V$ to V_{CC}	-	± 25	mA
output clamping current	I_{OK}	$V_O < 0V$ or $V_O > V_{CC}$	-	± 20	mA
storage temperature	T_{stg}	-	-65	+150	°C
soldering temperature	T_L	10s	260		°C

3.2、Recommended Operating Conditions

(Voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
supply voltage	V_{CC}	-	1.6	5.0	5.5	V
input voltage	V_I	-	0	-	5.5	V
output voltage	V_O	output HIGH or LOW state	0	-	V_{CC}	V
ambient temperature	T_{amb}	-	-40	-	+125	°C
input transition rise and fall rate	$\Delta t / \Delta V$	$V_{CC} = 1.8V$ to $5.0V$	-	-	20	ns/V



3.3、Electrical Characteristics

3.3.1、DC Characteristics 1

($T_{amb}=25^{\circ}\text{C}$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
HIGH-level input voltage	V _{IH}	V _{CC} =1.65V to 1.8V		0.94	-	-	V
		V _{CC} =2.0V		0.99	-	-	V
		V _{CC} =2.25V to 2.5V		1.135	-	-	V
		V _{CC} =2.75V		1.21	-	-	V
		V _{CC} =3.0V to 3.3V		1.35	-	-	V
		V _{CC} =3.6V		1.47	-	-	V
		V _{CC} =4.5V to 5.0V		2.02	-	-	V
		V _{CC} =5.5V		2.10	-	-	V
LOW-level input voltage	V _{IL}	V _{CC} =1.65V to 2.0V		-	-	0.58	V
		V _{CC} =2.25V to 2.75V		-	-	0.75	V
		V _{CC} =3.0V to 3.6V		-	-	0.80	V
		V _{CC} =4.5V to 5.5V		-	-	0.80	V
HIGH-level output voltage	V _{OH}	V _I =V _{IH} or V _{IL}	V _{CC} =1.65V to 5.5V; I _O =-20uA	V _{CC} -0.1	-	-	V
			V _{CC} =1.65V; I _O =-2mA	1.28	-	-	V
			V _{CC} =1.8V; I _O =-2mA	1.5	-	-	V
			V _{CC} =2.3V; I _O =-2.3mA	2.0	-	-	V
			V _{CC} =2.3V; I _O =-3mA	2.0	-	-	V
			V _{CC} =2.5V; I _O =-3mA	2.25	-	-	V
			V _{CC} =3.0V; I _O =-3mA	2.78	-	-	V
			V _{CC} =3.0V; I _O =-5.5mA	2.6	-	-	V
			V _{CC} =3.3V; I _O =-5.5mA	2.9	-	-	V
			V _{CC} =4.5V; I _O =-4mA	4.2	-	-	V
			V _{CC} =4.5V; I _O =-8mA	4.1	-	-	V
			V _{CC} =5.0V; I _O =-8mA	4.6	-	-	V
LOW-level output voltage	V _{OL}	V _I =V _{IH} or V _{IL}	V _{CC} =1.65V to 5.5V; I _O =20uA	-	-	0.1	V
			V _{CC} =1.65V; I _O =2mA	-	-	0.2	V
			V _{CC} =2.3V; I _O =2.3mA	-	-	0.1	V
			V _{CC} =2.3V; I _O =3mA	-	-	0.15	V
			V _{CC} =3.0V; I _O =3mA	-	-	0.1	V
			V _{CC} =3.0V; I _O =5.5mA	-	-	0.2	V
			V _{CC} =4.5V; I _O =4mA	-	-	0.15	V
			V _{CC} =4.5V; I _O =8mA	-	-	0.3	V
input leakage current	I _I	V _I =V _{CC} or GND; V _{CC} =0V to 5.5V		-	-	±1	uA
OFF-state output current	I _{OZ}	V _{CC} =5V; V _I =V _{IH} or V _{IL} ; V _O =V _{CC} or GND		-	-	±1	uA
supply current	I _{CC}	V _I =V _{CC} or GND; I _O =0A; V _{CC} =1.8V, 2.5V, 3.3V, 5.0V		-	-	1	uA



additional supply current	ΔI_{CC}	per input pin; $V_{CC}=1.8V$; $V_I=0.3V$ or $1.1V$; $I_O=0A$; other pins at V_{CC} or GND	-	-	10	μA
		per input pin; $V_{CC}=5.5V$; $V_I=0.3V$ or $3.4V$; $I_O=0A$; other pins at V_{CC} or GND	-	-	1.35	mA

3.3.2、DC Characteristics 2

($T_{amb}=-40^{\circ}C$ to $+85^{\circ}C$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
HIGH-level input voltage	V_{IH}	$V_{CC}=1.65V$ to $1.8V$		1.0	-	-	V
		$V_{CC}=2.0V$		1.03	-	-	V
		$V_{CC}=2.25V$ to $2.5V$		1.18	-	-	V
		$V_{CC}=2.75V$		1.23	-	-	V
		$V_{CC}=3.0V$ to $3.3V$		1.37	-	-	V
		$V_{CC}=3.6V$		1.48	-	-	V
		$V_{CC}=4.5V$ to $5.0V$		2.03	-	-	V
		$V_{CC}=5.5V$		2.11	-	-	V
LOW-level input voltage	V_{IL}	$V_{CC}=1.65V$ to $2.0V$		-	-	0.55	V
		$V_{CC}=2.25V$ to $2.75V$		-	-	0.71	V
		$V_{CC}=3.0V$ to $3.6V$		-	-	0.65	V
		$V_{CC}=4.5V$ to $5.5V$		-	-	0.80	V
HIGH-level output voltage	V_{OH}	$V_I=V_{IH}$ or V_{IL}	$V_{CC}=1.65V$ to $5.5V$; $I_O=-20\mu A$	$V_{CC}-0.1$	-	-	V
			$V_{CC}=1.65V$; $I_O=-2mA$	1.21	-	-	V
			$V_{CC}=1.8V$; $I_O=-2mA$	1.45	-	-	V
			$V_{CC}=2.3V$; $I_O=-2.3mA$	2.0	-	-	V
			$V_{CC}=2.3V$; $I_O=-3mA$	1.93	-	-	V
			$V_{CC}=2.5V$; $I_O=-3mA$	2.15	-	-	V
			$V_{CC}=3.0V$; $I_O=-3mA$	2.7	-	-	V
			$V_{CC}=3.0V$; $I_O=-5.5mA$	2.49	-	-	V
			$V_{CC}=3.3V$; $I_O=-5.5mA$	2.8	-	-	V
			$V_{CC}=4.5V$; $I_O=-4mA$	4.1	-	-	V
			$V_{CC}=4.5V$; $I_O=-8mA$	3.95	-	-	V
LOW-level output voltage	V_{OL}	$V_I=V_{IH}$ or V_{IL}	$V_{CC}=1.65V$ to $5.5V$; $I_O=20\mu A$	-	-	0.1	V
			$V_{CC}=1.65V$; $I_O=2mA$	-	-	0.25	V
			$V_{CC}=2.3V$; $I_O=2.3mA$	-	-	0.15	V
			$V_{CC}=2.3V$; $I_O=3mA$	-	-	0.2	V
			$V_{CC}=3.0V$; $I_O=3mA$	-	-	0.15	V
			$V_{CC}=3.0V$; $I_O=5.5mA$	-	-	0.252	V
			$V_{CC}=4.5V$; $I_O=4mA$	-	-	0.2	V
			$V_{CC}=4.5V$; $I_O=8mA$	-	-	0.35	V
input leakage current	I_I	$V_I=V_{CC}$ or GND; $V_{CC}=0V$ to $5.5V$		-	-	± 1	μA



OFF-state output current	I_{OZ}	$V_{CC}=5V$; $V_I=V_{IH}$ or V_{IL} ; $V_O=V_{CC}$ or GND	-	-	± 2.5	μA
supply current	I_{CC}	$V_I=V_{CC}$ or GND; $I_O=0A$; $V_{CC}=1.8V, 2.5V, 3.3V, 5.0V$	-	-	10	μA
additional supply current	ΔI_{CC}	per input pin; $V_{CC}=1.8V$; $V_I=0.3V$ or $1.1V$; $I_O=0A$; other pins at V_{CC} or GND	-	-	10	μA
		per input pin; $V_{CC}=5.5V$; $V_I=0.3V$ or $3.4V$; $I_O=0A$; other pins at V_{CC} or GND	-	-	1.5	mA

3.3.3、DC Characteristics 3

($T_{amb}=-40^{\circ}C$ to $+125^{\circ}C$, voltages are referenced to GND (ground=0V), unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
HIGH-level input voltage	V _{IH}	V _{CC} =1.65V to 1.8V		1.0	-	-	V
		V _{CC} =2.0V		1.03	-	-	V
		V _{CC} =2.25V to 2.5V		1.18	-	-	V
		V _{CC} =2.75V		1.23	-	-	V
		V _{CC} =3.0V to 3.3V		1.37	-	-	V
		V _{CC} =3.6V		1.48	-	-	V
		V _{CC} =4.5V to 5.0V		2.03	-	-	V
		V _{CC} =5.5V		2.11	-	-	V
LOW-level input voltage	V _{IL}	V _{CC} =1.65V to 2.0V		-	-	0.55	V
		V _{CC} =2.25V to 2.75V		-	-	0.71	V
		V _{CC} =3.0V to 3.6V		-	-	0.65	V
		V _{CC} =4.5V to 5.5V		-	-	0.80	V
HIGH-level output voltage	V _{OH}	V _I =V _{IH} or V _{IL}	V _{CC} =1.65V to 5.5V; I _O =-20uA	V _{CC} -0.1	-	-	V
			V _{CC} =1.65V; I _O =-2mA	1.21	-	-	V
			V _{CC} =1.8V; I _O =-2mA	1.45	-	-	V
			V _{CC} =2.3V; I _O =-2.3mA	2.0	-	-	V
			V _{CC} =2.3V; I _O =-3mA	1.93	-	-	V
			V _{CC} =2.5V; I _O =-3mA	2.15	-	-	V
			V _{CC} =3.0V; I _O =-3mA	2.7	-	-	V
			V _{CC} =3.0V; I _O =-5.5mA	2.49	-	-	V
			V _{CC} =3.3V; I _O =-5.5mA	2.8	-	-	V
			V _{CC} =4.5V; I _O =-4mA	4.1	-	-	V
			V _{CC} =4.5V; I _O =-8mA	3.95	-	-	V
V _{CC} =5.0V; I _O =-8mA	4.5	-	-	V			
LOW-level output voltage	V _{OL}	V _I =V _{IH} or V _{IL}	V _{CC} =1.65V to 5.5V; I _O =20uA	-	-	0.1	V
			V _{CC} =1.65V; I _O =2mA	-	-	0.25	V
			V _{CC} =2.3V; I _O =2.3mA	-	-	0.15	V
			V _{CC} =2.3V; I _O =3mA	-	-	0.2	V
			V _{CC} =3.0V; I _O =3mA	-	-	0.15	V
			V _{CC} =3.0V; I _O =5.5mA	-	-	0.252	V



			V _{CC} =4.5V; I _O =4mA	-	-	0.2	V
			V _{CC} =4.5V; I _O =8mA	-	-	0.35	V
input leakage current	I _I	V _I =V _{CC} or GND; V _{CC} =0V to 5.5V	-	-	±1	uA	
OFF-state output current	I _{OZ}	V _{CC} =5V; V _I =V _{IH} or V _{IL} ; V _O =V _{CC} or GND	-	-	±2.5	uA	
supply current	I _{CC}	V _I =V _{CC} or GND; I _O =0A; V _{CC} =1.8V, 2.5V, 3.3V, 5.0V	-	-	10	uA	
additional supply current	ΔI _{CC}	per input pin; V _{CC} =1.8V; V _I =0.3V or 1.1V; I _O =0A; other pins at V _{CC} or GND	-	-	10	uA	
		per input pin; V _{CC} =5.5V; V _I =0.3V or 3.4V; I _O =0A; other pins at V _{CC} or GND	-	-	1.5	mA	

3.3.4、AC Characteristics 1

($T_{amb}=25^{\circ}C$, GND=0V, unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t _{pd}	A to Y; see Figure 4 ^[1]	V _{CC} =1.8V; C _L =15pF	-	8.5	12.5	ns
			V _{CC} =1.8V; C _L =30pF	-	9.9	14.0	ns
			V _{CC} =2.5V; C _L =15pF	-	6.0	8.6	ns
			V _{CC} =2.5V; C _L =30pF	-	6.9	9.6	ns
			V _{CC} =3.3V; C _L =15pF	-	4.9	7.0	ns
			V _{CC} =3.3V; C _L =30pF	-	5.7	7.8	ns
			V _{CC} =5.0V; C _L =15pF	-	4.2	5.3	ns
			V _{CC} =5.0V; C _L =30pF	-	4.7	6.0	ns
enable time	t _{en}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	7.4	11.7	ns
			V _{CC} =1.8V; C _L =30pF	-	8.8	14.2	ns
			V _{CC} =2.5V; C _L =15pF	-	5.1	7.5	ns
			V _{CC} =2.5V; C _L =30pF	-	6.1	9.1	ns
			V _{CC} =3.3V; C _L =15pF	-	4.0	5.9	ns
			V _{CC} =3.3V; C _L =30pF	-	4.9	7.0	ns
			V _{CC} =5.0V; C _L =15pF	-	3.8	5.1	ns
			V _{CC} =5.0V; C _L =30pF	-	4.4	5.9	ns
disable time	t _{dis}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	9.7	12.4	ns
			V _{CC} =1.8V; C _L =30pF	-	12.5	15.3	ns
			V _{CC} =2.5V; C _L =15pF	-	7.0	8.5	ns
			V _{CC} =2.5V; C _L =30pF	-	8.9	10.5	ns
			V _{CC} =3.3V; C _L =15pF	-	5.7	6.9	ns
			V _{CC} =3.3V; C _L =30pF	-	7.2	8.4	ns
			V _{CC} =5.0V; C _L =15pF	-	4.3	5.7	ns
			V _{CC} =5.0V; C _L =30pF	-	5.2	6.2	ns

Note:

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



3.3.5、AC Characteristics 2

($T_{amb}=-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$, GND=0V, unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t _{pd}	A to Y; see Figure 4 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	14.0	ns
			V _{CC} =1.8V; C _L =30pF	-	-	15.9	ns
			V _{CC} =2.5V; C _L =15pF	-	-	9.8	ns
			V _{CC} =2.5V; C _L =30pF	-	-	10.9	ns
			V _{CC} =3.3V; C _L =15pF	-	-	7.8	ns
			V _{CC} =3.3V; C _L =30pF	-	-	8.8	ns
			V _{CC} =5.0V; C _L =15pF	-	-	5.7	ns
			V _{CC} =5.0V; C _L =30pF	-	-	6.6	ns
enable time	t _{en}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	13.4	ns
			V _{CC} =1.8V; C _L =30pF	-	-	16.3	ns
			V _{CC} =2.5V; C _L =15pF	-	-	8.7	ns
			V _{CC} =2.5V; C _L =30pF	-	-	10.5	ns
			V _{CC} =3.3V; C _L =15pF	-	-	6.8	ns
			V _{CC} =3.3V; C _L =30pF	-	-	7.9	ns
			V _{CC} =5.0V; C _L =15pF	-	-	5.7	ns
			V _{CC} =5.0V; C _L =30pF	-	-	6.6	ns
disable time	t _{dis}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	13.6	ns
			V _{CC} =1.8V; C _L =30pF	-	-	16.6	ns
			V _{CC} =2.5V; C _L =15pF	-	-	9.5	ns
			V _{CC} =2.5V; C _L =30pF	-	-	11.5	ns
			V _{CC} =3.3V; C _L =15pF	-	-	7.5	ns
			V _{CC} =3.3V; C _L =30pF	-	-	9.0	ns
			V _{CC} =5.0V; C _L =15pF	-	-	6.0	ns
			V _{CC} =5.0V; C _L =30pF	-	-	6.5	ns

Note:

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



3.3.6、AC Characteristics 3

($T_{amb}=-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$, $GND=0\text{V}$, unless otherwise specified)

Parameter	Symbol	Conditions		Min.	Typ.	Max.	Unit
propagation delay	t _{pd}	A to Y; see Figure 4 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	15.1	ns
			V _{CC} =1.8V; C _L =30pF	-	-	17.2	ns
			V _{CC} =2.5V; C _L =15pF	-	-	10.4	ns
			V _{CC} =2.5V; C _L =30pF	-	-	11.8	ns
			V _{CC} =3.3V; C _L =15pF	-	-	8.3	ns
			V _{CC} =3.3V; C _L =30pF	-	-	9.5	ns
			V _{CC} =5.0V; C _L =15pF	-	-	6.1	ns
			V _{CC} =5.0V; C _L =30pF	-	-	7.0	ns
enable time	t _{en}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	14.4	ns
			V _{CC} =1.8V; C _L =30pF	-	-	17.6	ns
			V _{CC} =2.5V; C _L =15pF	-	-	9.5	ns
			V _{CC} =2.5V; C _L =30pF	-	-	11.3	ns
			V _{CC} =3.3V; C _L =15pF	-	-	7.3	ns
			V _{CC} =3.3V; C _L =30pF	-	-	8.7	ns
			V _{CC} =5.0V; C _L =15pF	-	-	6.2	ns
			V _{CC} =5.0V; C _L =30pF	-	-	7.2	ns
disable time	t _{dis}	OE to Y; see Figure 5 ^[1]	V _{CC} =1.8V; C _L =15pF	-	-	14.5	ns
			V _{CC} =1.8V; C _L =30pF	-	-	17.5	ns
			V _{CC} =2.5V; C _L =15pF	-	-	10.0	ns
			V _{CC} =2.5V; C _L =30pF	-	-	12.0	ns
			V _{CC} =3.3V; C _L =15pF	-	-	7.9	ns
			V _{CC} =3.3V; C _L =30pF	-	-	9.4	ns
			V _{CC} =5.0V; C _L =15pF	-	-	6.2	ns
			V _{CC} =5.0V; C _L =30pF	-	-	6.8	ns

Note:

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



4、Testing Circuit

4.1、AC Testing Circuit

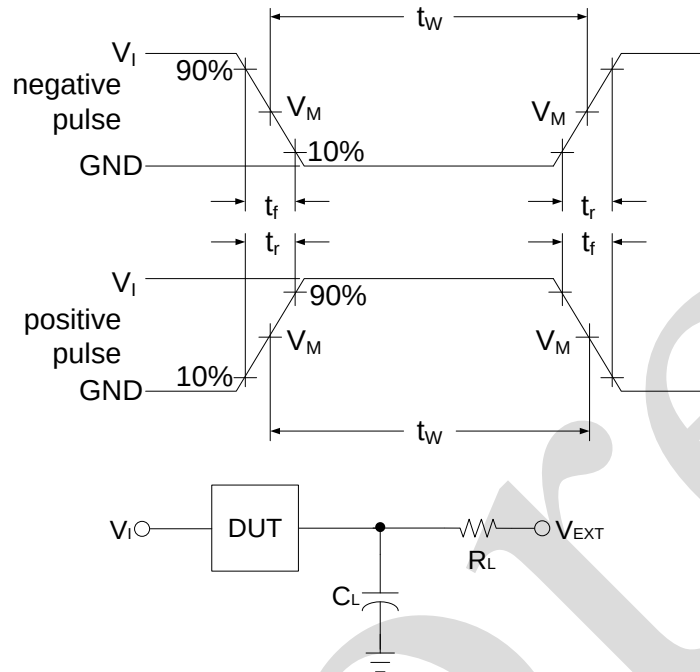


Figure 3. Test circuit for measuring switching time

Definitions test circuit:

C_L =Load capacitance including jig and probe capacitance

R_L =Load resistance

4.2、Test Data

Supply voltage	Input		Load		V_{EXT}		
V_{CC}	V_I	$\Delta t/\Delta V^{[1]}$	C_L	R_L	t_{PLH}, t_{PHL}	t_{PZH}, t_{PHZ}	t_{PZL}, t_{PLZ}
1.8V	V_{CC}	$\leq 1.0\text{ns/V}$	15pF, 30pF	1K Ω	Open	GND	V_{CC}
2.5V	V_{CC}	$\leq 1.0\text{ns/V}$	15pF, 30pF	1K Ω	Open	GND	V_{CC}
3.3V	3V	$\leq 1.0\text{ns/V}$	15pF, 30pF	1K Ω	Open	GND	V_{CC}
5.0V	3V	$\leq 1.0\text{ns/V}$	15pF, 30pF	1K Ω	Open	GND	V_{CC}

[1] $dV/dt \geq 1.0 \text{ V/ns}$



4.3、AC Testing Waveforms

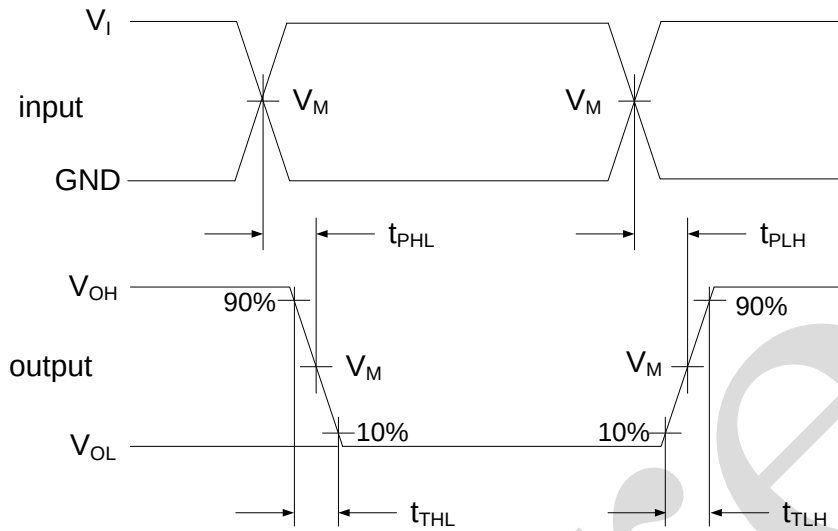


Figure 4. The input A to output Y propagation delays

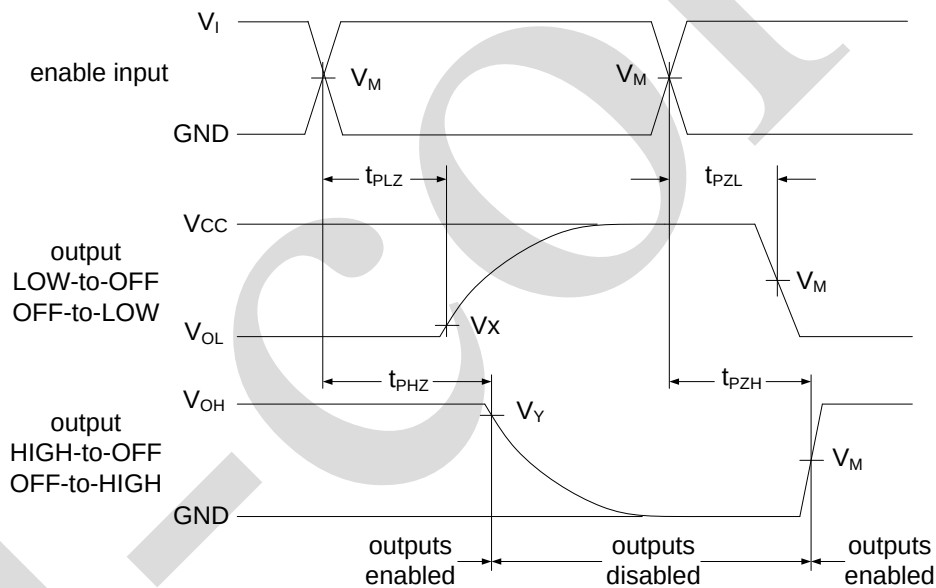


Figure 5. 3-state enable and disable times

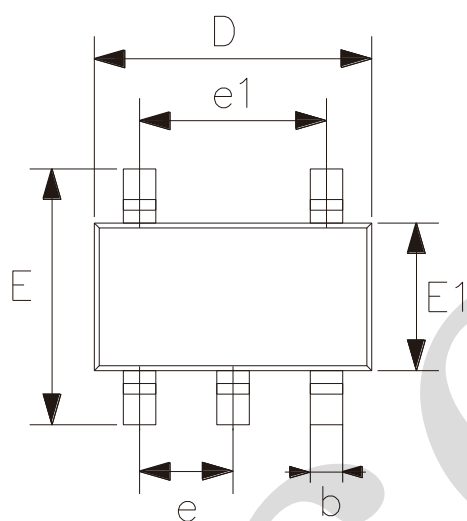
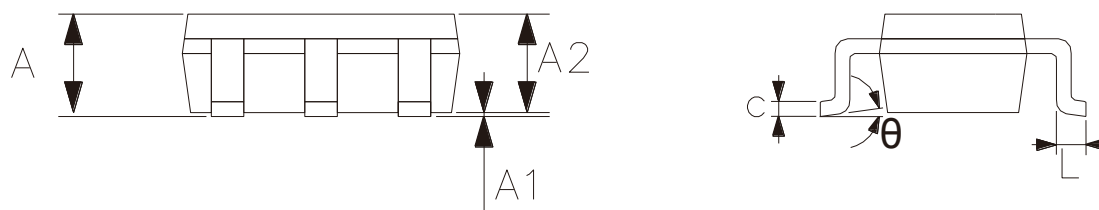
4.4、Measurement Points

Input	Output		
V_M	V_M	V_X	V_Y
$0.5V_I$	$0.5V_{CC}$	$V_{OL}+0.3V$	$V_{OH}-0.3V$



5、Package Information

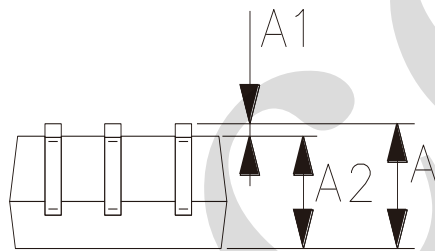
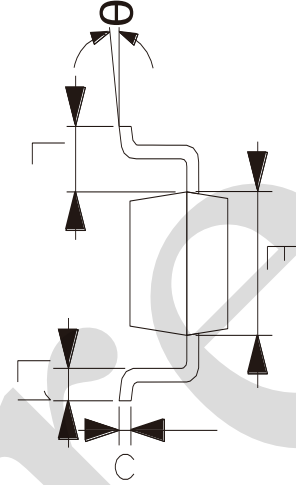
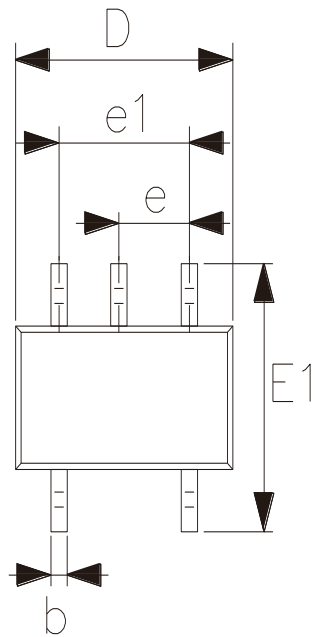
5.1、SOT23-5



2023/12/A	Dimensions In Millimeters	
Symbol	Min.	Max.
A	—	1.26
A1	0.00	0.12
A2	1.00	1.20
b	0.30	0.50
c	0.10	0.20
D	2.82	3.02
E	2.60	3.00
E1	1.50	1.70
e	0.95	
e1	1.80	2.00
L	0.30	0.60
θ	0°	8°



5.2、SOT353



2023/12/A	Dimensions In Millimeters	
Symbol	Min.	Max.
A	0.90	1.10
A1	0.00	0.10
A2	0.90	1.00
b	0.15	0.35
c	0.11	0.175
D	2.00	2.20
E	1.15	1.35
E1	2.15	2.45
e	0.65	
e1	1.20	1.40
L	0.525	
L1	0.26	0.46
θ	0°	8°



6、Statements And Notes

6.1、The name and content of Hazardous substances or Elements in the product

Part name	Hazardous substances or Elements									
	Lead and lead compounds	Mercury and mercury compounds	Cadmium and cadmium compounds	Hexavalent chromium compounds	Polybrominated biphenyls	Polybrominated biphenyl ethers	Dibutyl phthalate	Butylbenzyl phthalate	Di-2-ethylhexyl phthalate	Diisobutyl phthalate
Lead frame	○	○	○	○	○	○	○	○	○	○
Plastic resin	○	○	○	○	○	○	○	○	○	○
Chip	○	○	○	○	○	○	○	○	○	○
The lead	○	○	○	○	○	○	○	○	○	○
Plastic sheet installed	○	○	○	○	○	○	○	○	○	○
explanation	○: Indicates that the content of hazardous substances or elements in the detection limit of the following the SJ/T11363-2006 standard. ×: Indicates that the content of hazardous substances or elements exceeding the SJ/T11363-2006 Standard limit requirements.									

6.2、Notes

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