



AiP74AUP2G241

Low Power Dual Buffer/Line Driver; 3-State

Product Specification

Specification Revision History:

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



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1、General Description

The AiP74AUP2G241 provides a dual non-inverting buffer/line driver with 3-state outputs.

This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 0.8V to 3.6V.

Features:

- Wide supply voltage range from 0.8V to 3.6V
- Low static power consumption; $I_{CC}=1\mu A$ (maximum)
- Inputs accept voltages up to 3.6V
- Specified from $-40^{\circ}C$ to $+125^{\circ}C$
- Packaging information: TSSOP8/VSSOP8/XSON8

Ordering Information:

Reel packing specifications:

Part number	Packaging form	Marking code	Reel quantity	Boxed reel quantity	Notes
AiP74AUP2G241TA8.TR	TSSOP8	AiPIU 2G241	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 3.0mm×3.0mm Pin spacing: 0.65mm
AiP74AUP2G241YA8.TR	VSSOP8	AiP IUXX	3000 PCS/reel	3000 PCS/box	Dimensions of plastic enclosure: 2.0mm×2.3mm Pin spacing: 0.50mm
AiP74AUP2G241EB8.TR	XSON8	IU XX	5000 PCS/reel	25000 PCS/box	Dimensions of plastic enclosure: 1.35mm×1.0mm Pin spacing: 0.35mm
AiP74AUP2G241EC8.TR	XSON8	IU XX	5000 PCS/reel	25000 PCS/box	Dimensions of plastic enclosure: 1.95mm×1.0mm Pin spacing: 0.50mm

Note 1: “XX” refers to variable content, meaning 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

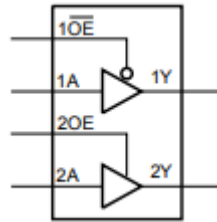
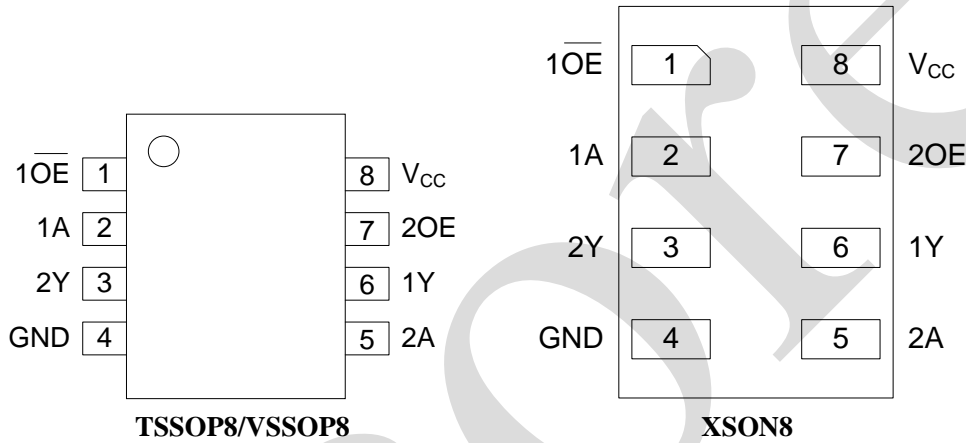


Figure 1. Logic symbol

2.2、Pin Configurations



2.3、Pin Description

Pin No.	Pin Name	Description
1	1 \overline{OE}	output enable input 1 \overline{OE} (active LOW)
2	1A	data input
3	2Y	data output
4	GND	ground (0V)
5	2A	data input
6	1Y	data output
7	2OE	output enable input 2OE (active HIGH)
8	Vcc	supply voltage

2.4、Function Table

Input		Output	Input		Output
1 \overline{OE}	1A	1Y	2OE	2A	2Y
L	L	L	H	L	L
L	H	H	H	H	H
H	X	Z	L	X	Z

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



3、Electrical Parameter

3.1、Absolute Maximum Ratings

($T_{amb}=25^{\circ}\text{C}$, all voltage referenced to GND, unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Max.	Unit
supply voltage	V_{CC}	-	-0.5	+4.6	V
input clamping current	I_{IK}	$V_I < 0V$	-50	-	mA
input voltage	V_I	-	-0.5	+4.6	V
output clamping current	I_{OK}	$V_O < 0V$	-50	-	mA
output voltage	V_O	Active mode and Power-down mode	-0.5	+4.6	V
output current	I_O	$V_O=0V$ to V_{CC}	-	± 20	mA
supply current	I_{CC}	-	-	+50	mA
ground current	I_{GND}	-	-50	-	mA
storage temperature	T_{stg}	-	-65	+150	$^{\circ}\text{C}$
total power dissipation	P_{tot}	-	-	250	mW
soldering temperature	T_L	10s	260		$^{\circ}\text{C}$
Electrostatic discharge	ESD	HBM	8000		V

3.2、Recommended Operating Conditions

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
supply voltage	V_{CC}	-	0.8	-	3.6	V
input voltage	V_I	-	0	-	3.6	V
output voltage	V_O	Active mode	0	-	V_{CC}	V
		Power-down mode; $V_{CC}=0V$	0	-	3.6	V
ambient temperature	T_{amb}	-	-40	-	+125	$^{\circ}\text{C}$
input transition rise and fall rate	$\Delta t/\Delta V$	$V_{CC}=0.8V$ to $3.6V$	0	-	200	ns/V



3.3、Electrical Characteristics

3.3.1、DC Characteristics 1

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

Parameter	Symbol	Conditions	Min.	Ty	Max.	Unit	
HIGH-level input voltage	V_{IH}	$V_{CC}=0.8V$	0.72	-	-	V	
		$V_{CC}=0.9V$ to $1.95V$	$0.75 \times V_{CC}$	-	-	V	
		$V_{CC}=2.3V$ to $2.7V$	1.6	-	-	V	
		$V_{CC}=3.0V$ to $3.6V$	2.0	-	-	V	
LOW-level input voltage	V_{IL}	$V_{CC}=0.8V$	-	-	$0.30 \times V_{CC}$	V	
		$V_{CC}=0.9V$ to $1.95V$	-	-	$0.35 \times V_{CC}$	V	
		$V_{CC}=2.3V$ to $2.7V$	-	-	0.7	V	
		$V_{CC}=3.0V$ to $3.6V$	-	-	0.9	V	
HIGH-level output voltage	V_{OH}	$V_I=V_{IH}$ or V_{IL}	$I_O=-20\mu A$; $V_{CC}=0.8V$ to $3.6V$	$V_{CC}-0.1$	-	-	V
			$I_O=-1.1mA$; $V_{CC}=1.1V$	$0.75 \times V_{CC}$	-	-	V
			$I_O=-1.7mA$; $V_{CC}=1.4V$	1.11	-	-	V
			$I_O=-1.9mA$; $V_{CC}=1.65V$	1.32	-	-	V
			$I_O=-2.3mA$; $V_{CC}=2.3V$	2.05	-	-	V
			$I_O=-3.1mA$; $V_{CC}=2.3V$	1.9	-	-	V
			$I_O=-2.7mA$; $V_{CC}=3.0V$	2.72	-	-	V
			$I_O=-4.0mA$; $V_{CC}=3.0V$	2.6	-	-	V
LOW-level output voltage	V_{OL}	$V_I=V_{IH}$ or V_{IL}	$I_O=20\mu A$; $V_{CC}=0.8V$ to $3.6V$	-	-	0.1	V
			$I_O=1.1mA$; $V_{CC}=1.1V$	-	-	$0.3 \times V_{CC}$	V
			$I_O=1.7mA$; $V_{CC}=1.4V$	-	-	0.31	V
			$I_O=1.9mA$; $V_{CC}=1.65V$	-	-	0.31	V
			$I_O=2.3mA$; $V_{CC}=2.3V$	-	-	0.31	V
			$I_O=3.1mA$; $V_{CC}=2.3V$	-	-	0.44	V
			$I_O=2.7mA$; $V_{CC}=3.0V$	-	-	0.31	V
			$I_O=4.0mA$; $V_{CC}=3.0V$	-	-	0.44	V
input leakage current	I_I	$V_I=GND$ to $3.6V$; $V_{CC}=0V$ to $3.6V$	-	-	± 1	μA	
OFF-state output current	I_{OZ}	$V_I=V_{IH}$ or V_{IL} ; $V_O=0V$ to $3.6V$; $V_{CC}=0V$ to $3.6V$	-	-	± 1	μA	
power-off leakage current	I_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$	-	-	± 1	μA	
additional power-off leakage current	ΔI_{OFF}	V_I or $V_O=0V$ to $3.6V$; $V_{CC}=0V$ to $0.2V$	-	-	± 1	μA	
supply current	I_{CC}	$V_I=GND$ or V_{CC} ; $I_O=0A$; $V_{CC}=0.8V$ to $3.6V$	-	-	1	μA	
additional supply current	ΔI_{CC}	data input; $V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$	-	-	40	μA	
		1 OE and 2OE input; $V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$	-	-	110	μA	



		all inputs; $V_I = \text{GND to } 3.6\text{V}$; $1 \text{ OE} = V_{CC}; 2\text{OE} = \text{GND}$; $V_{CC}=0.8\text{V to } 3.6\text{V}$			1	uA
input	C_I	$V_{CC}=0\text{V to } 3.6\text{V}; V_I=\text{GND or } V_{CC}$	-	0.6	-	pF
output capacitance	C_O	$V_{CC}=0\text{V to } 3.6 \text{ V}; V_I=\text{GND or } V_{CC}$	-	1.7	-	pF
		output disabled; $V_{CC} = 0\text{V to } 3.6\text{V}$; $V_O = \text{GND or } V_{CC}$	-	1.5	-	pF

3.3.2、DC Characteristics 2

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

Parameter	Symbol	Conditions	Min.	Ty	Max.	Unit	
HIGH-level input voltage	V_{IH}	$V_{CC}=0.8\text{V}$	0.72	-	-	V	
		$V_{CC}=0.9\text{V to } 1.95\text{V}$	$0.75 \times V_{CC}$	-	-	V	
		$V_{CC}=2.3\text{V to } 2.7\text{V}$	1.6	-	-	V	
		$V_{CC}=3.0\text{V to } 3.6\text{V}$	2.0	-	-	V	
LOW-level input voltage	V_{IL}	$V_{CC}=0.8\text{V}$	-	-	$0.30 \times V_{CC}$	V	
		$V_{CC}=0.9\text{V to } 1.95\text{V}$	-	-	$0.35 \times V_{CC}$	V	
		$V_{CC}=2.3\text{V to } 2.7\text{V}$	-	-	0.7	V	
		$V_{CC}=3.0\text{V to } 3.6\text{V}$	-	-	0.9	V	
HIGH-level output voltage	V_{OH}	$V_I=V_{IH} \text{ or } V_{IL}$	$I_O=-20\mu\text{A}$; $V_{CC}=0.8\text{V to } 3.6\text{V}$	$V_{CC}-0.1$	-	-	V
			$I_O=-1.1\text{mA}$; $V_{CC}=1.1\text{V}$	$0.70 \times V_{CC}$	-	-	V
			$I_O=-1.7\text{mA}$; $V_{CC}=1.4\text{V}$	1.03	-	-	V
			$I_O=-1.9\text{mA}$; $V_{CC}=1.65\text{V}$	1.30	-	-	V
			$I_O=-2.3\text{mA}$; $V_{CC}=2.3\text{V}$	1.97	-	-	V
			$I_O=-3.1\text{mA}$; $V_{CC}=2.3\text{V}$	1.85	-	-	V
			$I_O=-2.7\text{mA}$; $V_{CC}=3.0\text{V}$	2.67	-	-	V
			$I_O=-4.0\text{mA}$; $V_{CC}=3.0\text{V}$	2.55	-	-	V
LOW-level output voltage	V_{OL}	$V_I=V_{IH} \text{ or } V_{IL}$	$I_O=20\mu\text{A}$; $V_{CC}=0.8\text{V to } 3.6\text{V}$	-	-	0.1	V
			$I_O=1.1\text{mA}$; $V_{CC}=1.1\text{V}$	-	-	$0.3 \times V_{CC}$	V
			$I_O=1.7\text{mA}$; $V_{CC}=1.4\text{V}$	-	-	0.37	V
			$I_O=1.9\text{mA}$; $V_{CC}=1.65\text{V}$	-	-	0.35	V
			$I_O=2.3\text{mA}$; $V_{CC}=2.3\text{V}$	-	-	0.33	V
			$I_O=3.1\text{mA}$; $V_{CC}=2.3\text{V}$	-	-	0.45	V
			$I_O=2.7\text{mA}$; $V_{CC}=3.0\text{V}$	-	-	0.33	V
			$I_O=4.0\text{mA}$; $V_{CC}=3.0\text{V}$	-	-	0.45	V
input leakage current	I_I	$V_I=\text{GND to } 3.6\text{V}; V_{CC}=0\text{V to } 3.6\text{V}$	-	-	± 2	uA	
OFF-state output current	I_{OZ}	$V_I=V_{IH} \text{ or } V_{IL}; V_O=0\text{V to } 3.6\text{V}$; $V_{CC}=0\text{V to } 3.6\text{V}$	-	-	± 2	uA	
power-off leakage current	I_{OFF}	$V_I \text{ or } V_O=0\text{V to } 3.6\text{V}; V_{CC}=0\text{V}$	-	-	± 2	uA	
additional power-off leakage current	ΔI_{OFF}	$V_I \text{ or } V_O=0\text{V to } 3.6\text{V}$; $V_{CC}=0\text{V to } 0.2\text{V}$	-	-	± 2	uA	



supply current	I_{CC}	$V_I = \text{GND or } V_{CC}; I_O = 0\text{A};$ $V_{CC} = 0.8\text{V to } 3.6\text{V}$	-	-	2	uA
additional supply current	ΔI_{CC}	data input; $V_I = V_{CC} - 0.6\text{V}; I_O = 0\text{A};$ $V_{CC} = 3.3\text{V}$	-	-	50	uA
		1 $\overline{\text{OE}}$ and 2OE input; $V_I = V_{CC} - 0.6\text{V};$ $I_O = 0\text{A}; V_{CC} = 3.3\text{V}$	-	-	120	uA
		all inputs; $V_I = \text{GND to } 3.6\text{V};$ 1 $\overline{\text{OE}} = V_{CC}; 2\text{OE} = \text{GND};$ $V_{CC} = 0.8\text{V to } 3.6\text{V}$	-	-	1	uA

3.3.3、DC Characteristics 3

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

Parameter	Symbol	Conditions	Min.	Ty	Max.	Unit	
HIGH-level input voltage	V_{IH}	$V_{CC} = 0.8\text{V}$	0.75	-	-	V	
		$V_{CC} = 0.9\text{V to } 1.95\text{V}$	$0.80 \times V_{CC}$	-	-	V	
		$V_{CC} = 2.3\text{V to } 2.7\text{V}$	1.6	-	-	V	
		$V_{CC} = 3.0\text{V to } 3.6\text{V}$	2.0	-	-	V	
LOW-level input voltage	V_{IL}	$V_{CC} = 0.8\text{V}$	-	-	$0.25 \times V_{CC}$	V	
		$V_{CC} = 0.9\text{V to } 1.95\text{V}$	-	-	$0.30 \times V_{CC}$	V	
		$V_{CC} = 2.3\text{V to } 2.7\text{V}$	-	-	0.7	V	
		$V_{CC} = 3.0\text{V to } 3.6\text{V}$	-	-	0.9	V	
HIGH-level output voltage	V_{OH}	$V_I = V_{IH} \text{ or } V_{IL}$	$I_O = -20\text{uA};$ $V_{CC} = 0.8\text{V to } 3.6\text{V}$	$V_{CC} - 0.11$	-	-	V
			$I_O = -1.1\text{mA}; V_{CC} = 1.1\text{V}$	$0.60 \times V_{CC}$	-	-	V
			$I_O = -1.7\text{mA}; V_{CC} = 1.4\text{V}$	0.93	-	-	V
			$I_O = -1.9\text{mA}; V_{CC} = 1.65\text{V}$	1.17	-	-	V
			$I_O = -2.3\text{mA}; V_{CC} = 2.3\text{V}$	1.77	-	-	V
			$I_O = -3.1\text{mA}; V_{CC} = 2.3\text{V}$	1.67	-	-	V
			$I_O = -2.7\text{mA}; V_{CC} = 3.0\text{V}$	2.40	-	-	V
			$I_O = -4.0\text{mA}; V_{CC} = 3.0\text{V}$	2.30	-	-	V
LOW-level output voltage	V_{OL}	$V_I = V_{IH} \text{ or } V_{IL}$	$I_O = 20\text{uA};$ $V_{CC} = 0.8\text{V to } 3.6\text{V}$	-	-	0.11	V
			$I_O = 1.1\text{mA}; V_{CC} = 1.1\text{V}$	-	-	$0.33 \times V_{CC}$	V
			$I_O = 1.7\text{mA}; V_{CC} = 1.4\text{V}$	-	-	0.41	V
			$I_O = 1.9\text{mA}; V_{CC} = 1.65\text{V}$	-	-	0.39	V
			$I_O = 2.3\text{mA}; V_{CC} = 2.3\text{V}$	-	-	0.36	V
			$I_O = 3.1\text{mA}; V_{CC} = 2.3\text{V}$	-	-	0.50	V
			$I_O = 2.7\text{mA}; V_{CC} = 3.0\text{V}$	-	-	0.36	V
			$I_O = 4.0\text{mA}; V_{CC} = 3.0\text{V}$	-	-	0.50	V
input leakage current	I_I	$V_I = \text{GND to } 3.6\text{V}; V_{CC} = 0\text{V to } 3.6\text{V}$	-	-	± 4	uA	
OFF-state output current	I_{OZ}	$V_I = V_{IH} \text{ or } V_{IL}; V_O = 0\text{V to } 3.6\text{V};$ $V_{CC} = 0\text{V to } 3.6\text{V}$	-	-	± 4	uA	
power-off leakage current	I_{OFF}	$V_I \text{ or } V_O = 0\text{V to } 3.6\text{V}; V_{CC} = 0\text{V}$	-	-	± 4	uA	



additional power-off leakage current	ΔI_{OFF}	V_I or $V_O=0V$ to 3.6V; $V_{CC}=0V$ to 0.2V	-	-	± 4	uA
supply current	I_{CC}	$V_I=GND$ or V_{CC} ; $I_O=0A$; $V_{CC}=0.8V$ to 3.6V	-	-	4	uA
additional supply current	ΔI_{CC}	data input; $V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$	-	-	75	uA
		1 \overline{OE} and 2OE input; $V_I=V_{CC}-0.6V$; $I_O=0A$; $V_{CC}=3.3V$	-	-	180	uA
		all inputs; $V_I=GND$ to 3.6V; 1 $\overline{OE}=V_{CC}$; 2OE = GND; $V_{CC}=0.8V$ to 3.6V	-	-	1	uA

3.3.4、AC Characteristics 1

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

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit	
propagation delay	t_{pd}	nA to nY; see Figure 3	$C_L=5pF$				
			$V_{CC}=0.8V$	-	20.6	-	ns
			$V_{CC}=1.1V$ to 1.3V	2.8	5.5	10.5	ns
			$V_{CC}=1.4V$ to 1.6V	2.2	3.9	6.1	ns
			$V_{CC}=1.65V$ to 1.95V	1.9	3.2	4.8	ns
			$V_{CC}=2.3V$ to 2.7V	1.6	2.6	3.6	ns
			$V_{CC}=3.0V$ to 3.6V	1.4	2.4	3.1	ns
			$C_L=10pF$				
			$V_{CC}=0.8V$	-	24.0	-	ns
			$V_{CC}=1.1V$ to 1.3V	3.2	6.4	12.3	ns
			$V_{CC}=1.4V$ to 1.6V	2.1	4.5	7.3	ns
			$V_{CC}=1.65V$ to 1.95V	1.9	3.8	5.5	ns
			$V_{CC}=2.3V$ to 2.7V	2.1	3.2	4.2	ns
			$V_{CC}=3.0V$ to 3.6V	1.8	3.0	3.8	ns
			$C_L=15pF$				
			$V_{CC}=0.8V$	-	27.4	-	ns
			$V_{CC}=1.1V$ to 1.3V	3.6	7.2	14.1	ns
			$V_{CC}=1.4V$ to 1.6V	3.0	5.1	8.1	ns
			$V_{CC}=1.65V$ to 1.95V	2.2	4.3	6.3	ns
			$V_{CC}=2.3V$ to 2.7V	2.0	3.7	4.9	ns
			$V_{CC}=3.0V$ to 3.6V	2.0	3.5	4.4	ns
			$C_L=30pF$				
			$V_{CC}=0.8V$	-	37.4	-	ns
			$V_{CC}=1.1V$ to 1.3V	4.8	9.5	19.0	ns
			$V_{CC}=1.4V$ to 1.6V	4.0	6.7	10.8	ns
			$V_{CC}=1.65V$ to 1.95V	2.9	5.6	8.4	ns
			$V_{CC}=2.3V$ to 2.7V	2.7	4.8	6.3	ns
$V_{CC}=3.0V$ to 3.6V	2.7	4.6	5.8	ns			
enable time	ten	1 \overline{OE} to 1Y	$C_L=5pF$				
			$V_{CC}=0.8V$	-	69.9	-	ns



		see Figure 4	V _{CC} =1.1V to 1.3V	3.1	6.1	11.8	ns			
			V _{CC} =1.4V to 1.6V	2.5	4.2	6.6	ns			
			V _{CC} =1.65V to 1.95V	2.1	3.4	5.1	ns			
			V _{CC} =2.3V to 2.7V	1.8	2.6	3.7	ns			
			V _{CC} =3.0V to 3.6V	1.7	2.4	3.1	ns			
			C _L =10pF							
			V _{CC} =0.8V	-	73.7	-	ns			
			V _{CC} =1.1V to 1.3V	3.6	6.9	13.5	ns			
			V _{CC} =1.4V to 1.6V	2.3	4.8	7.7	ns			
			V _{CC} =1.65V to 1.95V	2.0	3.9	5.8	ns			
			V _{CC} =2.3V to 2.7V	1.8	3.2	4.3	ns			
			V _{CC} =3.0V to 3.6V	1.7	3.0	3.9	ns			
			C _L =15pF							
			V _{CC} =0.8V	-	77.5	-	ns			
			V _{CC} =1.1V to 1.3V	4.0	7.7	15.2	ns			
			V _{CC} =1.4V to 1.6V	3.0	5.3	8.4	ns			
			V _{CC} =1.65V to 1.95V	2.3	4.4	6.5	ns			
			V _{CC} =2.3V to 2.7V	2.1	3.6	5.0	ns			
			V _{CC} =3.0V to 3.6V	2.0	3.5	4.5	ns			
			C _L =30pF							
			V _{CC} =0.8V	-	88.9	-	ns			
		V _{CC} =1.1V to 1.3V	5.2	9.9	19.8	ns				
		V _{CC} =1.4V to 1.6V	4.0	6.8	10.8	ns				
		V _{CC} =1.65V to 1.95V	3.0	5.6	8.5	ns				
		V _{CC} =2.3V to 2.7V	2.7	4.8	6.5	ns				
		V _{CC} =3.0V to 3.6V	2.7	4.6	6.0	ns				
		2OE to 2Y see Figure 4	C _L =5pF							
			V _{CC} =0.8V	-	71.6	-	ns			
			V _{CC} =1.1V to 1.3V	2.8	6.2	12.4	ns			
			V _{CC} =1.4V to 1.6V	2.3	4.2	6.9	ns			
			V _{CC} =1.65V to 1.95V	1.9	3.3	5.3	ns			
			V _{CC} =2.3V to 2.7V	1.5	2.4	3.6	ns			
			V _{CC} =3.0V to 3.6V	1.3	2.0	2.9	ns			
			C _L =10pF							
			V _{CC} =0.8V	-	75.3	-	ns			
			V _{CC} =1.1V to 1.3V	3.2	7.1	14.1	ns			
			V _{CC} =1.4V to 1.6V	2.2	4.8	8	ns			
			V _{CC} =1.65V to 1.95V	1.8	3.9	5.9	ns			
			V _{CC} =2.3V to 2.7V	1.5	2.9	4.2	ns			
			V _{CC} =3.0V to 3.6V	1.4	2.6	3.6	ns			
			C _L =15pF							
			V _{CC} =0.8V	-	79.2	-	ns			
			V _{CC} =1.1V to 1.3V	3.6	7.8	15.8	ns			
			V _{CC} =1.4V to 1.6V	3.0	5.4	8.8	ns			
			V _{CC} =1.65V to 1.95V	2.1	4.3	6.7	ns			
V _{CC} =2.3V to 2.7V	1.8		3.4	4.8	ns					
V _{CC} =3.0V to 3.6V	1.6		3.1	4.3	ns					



disable time	tdis	1 OE to 1Y see Figure 4	CL=30pF				
			V _{CC} =0.8V	-	90.6	-	ns
			V _{CC} =1.1V to 1.3V	4.7	10.0	20.4	ns
			V _{CC} =1.4V to 1.6V	3.0	6.9	11.3	ns
			V _{CC} =1.65V to 1.95V	2.6	5.6	8.6	ns
			V _{CC} =2.3V to 2.7V	2.3	4.5	6.3	ns
			V _{CC} =3.0V to 3.6V	2.2	4.2	5.8	ns
			CL=5pF				
			V _{CC} =0.8V	-	14.3	-	ns
			V _{CC} =1.1V to 1.3V	2.7	4.3	6.5	ns
			V _{CC} =1.4V to 1.6V	2.1	3.2	4.4	ns
			V _{CC} =1.65V to 1.95V	2.0	3.0	4.3	ns
		V _{CC} =2.3V to 2.7V	1.4	2.2	2.9	ns	
		V _{CC} =3.0V to 3.6V	1.7	2.5	3.2	ns	
		CL=10pF					
		V _{CC} =0.8V	-	32.7	-	ns	
		V _{CC} =1.1V to 1.3V	3.4	5.4	7.9	ns	
		V _{CC} =1.4V to 1.6V	2.2	4.1	5.5	ns	
		V _{CC} =1.65V to 1.95V	2.2	4.2	5.6	ns	
		V _{CC} =2.3V to 2.7V	1.7	3.0	3.8	ns	
		V _{CC} =3.0V to 3.6V	2.1	3.8	4.8	ns	
		CL=15pF					
		V _{CC} =0.8V	-	60.8	-	ns	
		V _{CC} =1.1V to 1.3V	4.3	6.5	9.2	ns	
		V _{CC} =1.4V to 1.6V	3.0	5.0	6.5	ns	
		V _{CC} =1.65V to 1.95V	3.0	5.3	6.6	ns	
		V _{CC} =2.3V to 2.7V	2.1	3.8	4.9	ns	
		V _{CC} =3.0V to 3.6V	2.9	5.0	6.2	ns	
CL=30pF							
V _{CC} =0.8V	-	49.9	-	ns			
V _{CC} =1.1V to 1.3V	6.0	9.9	13.3	ns			
V _{CC} =1.4V to 1.6V	4.4	7.7	9.6	ns			
V _{CC} =1.65V to 1.95V	5.1	8.7	11.1	ns			
V _{CC} =2.3V to 2.7V	3.6	6.2	7.4	ns			
V _{CC} =3.0V to 3.6V	5.2	8.7	10.5	ns			
2OE to 2Y see Figure 4	CL=5pF						
	V _{CC} =0.8V	-	10.3	-	ns		
	V _{CC} =1.1V to 1.3V	2.6	4.2	6.2	ns		
	V _{CC} =1.4V to 1.6V	2.1	3.2	4.4	ns		
	V _{CC} =1.65V to 1.95V	2.1	3.1	4.4	ns		
	V _{CC} =2.3V to 2.7V	1.7	2.4	3.2	ns		
	V _{CC} =3.0V to 3.6V	2.1	2.8	3.6	ns		
	CL=10pF						
	V _{CC} =0.8V	-	12.2	-	ns		
	V _{CC} =1.1V to 1.3V	3.5	5.3	7.6	ns		
	V _{CC} =1.4V to 1.6V	2.2	4.1	5.6	ns		
	V _{CC} =1.65V to 1.95V	2.4	4.2	5.7	ns		



			V _{CC} =2.3V to 2.7V	1.9	3.2	4.1	ns			
			V _{CC} =3.0V to 3.6V	2.4	4.1	5.0	ns			
			C _L =15pF							
			V _{CC} =0.8V	-	14.9	-	ns			
			V _{CC} =1.1V to 1.3V	4.3	6.4	8.5	ns			
			V _{CC} =1.4V to 1.6V	3.0	5.0	6.6	ns			
			V _{CC} =1.65V to 1.95V	3.1	5.4	6.6	ns			
			V _{CC} =2.3V to 2.7V	2.4	4.0	5.0	ns			
			V _{CC} =3.0V to 3.6V	3.2	5.3	6.2	ns			
			C _L =30pF							
			V _{CC} =0.8V	-	51.6	-	ns			
			V _{CC} =1.1V to 1.3V	6.0	9.8	13.6	ns			
			V _{CC} =1.4V to 1.6V	4.5	7.7	10.5	ns			
			V _{CC} =1.65V to 1.95V	5.2	8.8	11.4	ns			
			V _{CC} =2.3V to 2.7V	3.9	6.4	7.4	ns			
			V _{CC} =3.0V to 3.6V	5.5	9	10.7	ns			
			power dissipation capacitance	C _{PD}	f=1MHz; V _I =GND to V _{CC}	V _{CC} =0.8V	-	2.8	-	pF
						V _{CC} =1.1V to 1.3V	-	2.8	-	pF
V _{CC} =1.4V to 1.6V	-	3.0				-	pF			
V _{CC} =1.65V to 1.95V	-	3.0				-	pF			
V _{CC} =2.3V to 2.7V	-	3.7				-	pF			
V _{CC} =3.0V to 3.6V	-	4.2				-	pF			

3.3.5、AC Characteristics 2

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

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit	
propagation delay	t _{pd}	nA to nY; see Figure 3	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.5	-	11.7	ns
			V _{CC} =1.4V to 1.6V	2.0	-	7.3	ns
			V _{CC} =1.65V to 1.95V	1.7	-	6.1	ns
			V _{CC} =2.3V to 2.7V	1.4	-	4.3	ns
			V _{CC} =3.0V to 3.6V	1.2	-	3.9	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.0	-	13.8	ns
			V _{CC} =1.4V to 1.6V	1.9	-	8.5	ns
			V _{CC} =1.65V to 1.95V	1.7	-	6.8	ns
			V _{CC} =2.3V to 2.7V	1.6	-	5.3	ns
			V _{CC} =3.0V to 3.6V	1.6	-	4.6	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.3	-	15.8	ns
			V _{CC} =1.4V to 1.6V	2.5	-	9.8	ns
			V _{CC} =1.65V to 1.95V	2.0	-	7.9	ns
			V _{CC} =2.3V to 2.7V	1.8	-	6.0	ns
			V _{CC} =3.0V to 3.6V	1.8	-	5.4	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.4	-	21.6	ns



enable time	ten		V _{CC} =1.4V to 1.6V	3.0	-	13.0	ns		
			V _{CC} =1.65V to 1.95V	2.6	-	10.3	ns		
			V _{CC} =2.3V to 2.7V	2.5	-	7.8	ns		
			V _{CC} =3.0V to 3.6V	2.5	-	7.0	ns		
		C _L =5pF							
		V _{CC} =1.1V to 1.3V	2.9	-	13.9	ns			
		V _{CC} =1.4V to 1.6V	2.3	-	7.7	ns			
		V _{CC} =1.65V to 1.95V	2.0	-	6.2	ns			
		V _{CC} =2.3V to 2.7V	1.7	-	4.5	ns			
		V _{CC} =3.0V to 3.6V	1.7	-	3.5	ns			
		C _L =10pF							
		V _{CC} =1.1V to 1.3V	3.4	-	15.8	ns			
		V _{CC} =1.4V to 1.6V	2.2	-	8.6	ns			
		V _{CC} =1.65V to 1.95V	1.9	-	6.8	ns			
		V _{CC} =2.3V to 2.7V	1.7	-	5.3	ns			
		V _{CC} =3.0V to 3.6V	1.7	-	4.3	ns			
		C _L =15pF							
		V _{CC} =1.1V to 1.3V	3.7	-	17.6	ns			
		V _{CC} =1.4V to 1.6V	2.5	-	9.8	ns			
		V _{CC} =1.65V to 1.95V	2.1	-	7.7	ns			
		V _{CC} =2.3V to 2.7V	2.0	-	6.1	ns			
		V _{CC} =3.0V to 3.6V	1.9	-	4.9	ns			
		C _L =30pF							
		V _{CC} =1.1V to 1.3V	4.8	-	22.8	ns			
		V _{CC} =1.4V to 1.6V	3.1	-	12.6	ns			
		V _{CC} =1.65V to 1.95V	2.8	-	10.2	ns			
		V _{CC} =2.3V to 2.7V	2.6	-	7.8	ns			
		V _{CC} =3.0V to 3.6V	2.6	-	6.9	ns			
C _L =5pF									
V _{CC} =1.1V to 1.3V	2.6	-	13.6	ns					
V _{CC} =1.4V to 1.6V	2.2	-	7.4	ns					
V _{CC} =1.65V to 1.95V	1.7	-	5.9	ns					
V _{CC} =2.3V to 2.7V	1.4	-	3.8	ns					
V _{CC} =3.0V to 3.6V	1.2	-	3.2	ns					
C _L =10pF									
V _{CC} =1.1V to 1.3V	3.0	-	15.4	ns					
V _{CC} =1.4V to 1.6V	2.1	-	8.3	ns					
V _{CC} =1.65V to 1.95V	1.7	-	6.5	ns					
V _{CC} =2.3V to 2.7V	1.4	-	4.5	ns					
V _{CC} =3.0V to 3.6V	1.3	-	3.8	ns					
C _L =15pF									
V _{CC} =1.1V to 1.3V	3.3	-	17.1	ns					
V _{CC} =1.4V to 1.6V	2.9	-	9.4	ns					
V _{CC} =1.65V to 1.95V	2.0	-	7.3	ns					
V _{CC} =2.3V to 2.7V	1.7	-	5.2	ns					
V _{CC} =3.0V to 3.6V	1.5	-	4.5	ns					
C _L =30pF									

1 OE to 1Y
see Figure 4

2OE to 2Y
see Figure 4



			V _{CC} =1.1V to 1.3V	4.3	-	22.0	ns
			V _{CC} =1.4V to 1.6V	3.7	-	12.0	ns
			V _{CC} =1.65V to 1.95V	3.2	-	9.5	ns
			V _{CC} =2.3V to 2.7V	2.9	-	6.8	ns
			V _{CC} =3.0V to 3.6V	2.7	-	6.4	ns
disable time	tdis	1 OE to 1Y see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.7	-	7.3	ns
			V _{CC} =1.4V to 1.6V	2.1	-	5.1	ns
			V _{CC} =1.65V to 1.95V	2.0	-	5.0	ns
			V _{CC} =2.3V to 2.7V	1.4	-	3.3	ns
			V _{CC} =3.0V to 3.6V	1.7	-	3.4	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.4	-	8.8	ns
			V _{CC} =1.4V to 1.6V	2.2	-	6.2	ns
			V _{CC} =1.65V to 1.95V	1.9	-	6.3	ns
			V _{CC} =2.3V to 2.7V	1.7	-	4.5	ns
			V _{CC} =3.0V to 3.6V	1.7	-	5.0	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.7	-	10.3	ns
			V _{CC} =1.4V to 1.6V	2.5	-	7.4	ns
		V _{CC} =1.65V to 1.95V	2.1	-	7.4	ns	
		V _{CC} =2.3V to 2.7V	2.0	-	5.1	ns	
		V _{CC} =3.0V to 3.6V	1.9	-	6.6	ns	
		C _L =30pF					
		V _{CC} =1.1V to 1.3V	4.8	-	14.8	ns	
		V _{CC} =1.4V to 1.6V	3.1	-	10.7	ns	
		V _{CC} =1.65V to 1.95V	2.8	-	12.4	ns	
		V _{CC} =2.3V to 2.7V	2.6	-	8.6	ns	
		V _{CC} =3.0V to 3.6V	2.6	-	10.8	ns	
		2OE to 2Y see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.9	-	6.4	ns
			V _{CC} =1.4V to 1.6V	2.2	-	4.6	ns
			V _{CC} =1.65V to 1.95V	1.7	-	4.6	ns
			V _{CC} =2.3V to 2.7V	1.4	-	3.4	ns
			V _{CC} =3.0V to 3.6V	1.2	-	3.7	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.3	-	7.9	ns
			V _{CC} =1.4V to 1.6V	2.1	-	5.7	ns
V _{CC} =1.65V to 1.95V	1.7		-	5.8	ns		
V _{CC} =2.3V to 2.7V	1.4		-	4.3	ns		
V _{CC} =3.0V to 3.6V	1.3		-	5.2	ns		
C _L =15pF							
V _{CC} =1.1V to 1.3V	3.7		-	9.3	ns		
V _{CC} =1.4V to 1.6V	2.5		-	6.9	ns		
V _{CC} =1.65V to 1.95V	2.0		-	7.4	ns		
V _{CC} =2.3V to 2.7V	1.7		-	5.1	ns		
V _{CC} =3.0V to 3.6V	1.5		-	6.7	ns		



			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.7	-	14.3	ns
			V _{CC} =1.4V to 1.6V	3.0	-	10.7	ns
			V _{CC} =1.65V to 1.95V	2.6	-	11.5	ns
			V _{CC} =2.3V to 2.7V	2.3	-	9.0	ns
			V _{CC} =3.0V to 3.6V	2.2	-	10.8	ns

3.3.6、AC Characteristics 3

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

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit	
propagation delay	t _{pd}	nA to nY; see Figure 3	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.5	-	12.9	ns
			V _{CC} =1.4V to 1.6V	2.0	-	8.1	ns
			V _{CC} =1.65V to 1.95V	1.7	-	6.7	ns
			V _{CC} =2.3V to 2.7V	1.4	-	4.9	ns
			V _{CC} =3.0V to 3.6V	1.2	-	4.4	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.0	-	15.2	ns
			V _{CC} =1.4V to 1.6V	1.9	-	9.4	ns
			V _{CC} =1.65V to 1.95V	1.7	-	7.6	ns
			V _{CC} =2.3V to 2.7V	1.6	-	5.9	ns
			V _{CC} =3.0V to 3.6V	1.6	-	5.2	ns
			C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.3	-	17.5	ns
			V _{CC} =1.4V to 1.6V	2.5	-	10.9	ns
			V _{CC} =1.65V to 1.95V	2.0	-	8.8	ns
			V _{CC} =2.3V to 2.7V	1.8	-	6.7	ns
			V _{CC} =3.0V to 3.6V	1.8	-	6.1	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.4	-	24.0	ns
			V _{CC} =1.4V to 1.6V	3.0	-	14.5	ns
			V _{CC} =1.65V to 1.95V	2.6	-	11.5	ns
			V _{CC} =2.3V to 2.7V	2.5	-	8.7	ns
			V _{CC} =3.0V to 3.6V	2.5	-	8.3	ns
enable time	t _{en}	1 OE to 1Y see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.9	-	15.4	ns
			V _{CC} =1.4V to 1.6V	2.3	-	8.3	ns
			V _{CC} =1.65V to 1.95V	2.0	-	6.8	ns
			V _{CC} =2.3V to 2.7V	1.7	-	5.0	ns
			V _{CC} =3.0V to 3.6V	1.7	-	3.9	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.4	-	17.5	ns
			V _{CC} =1.4V to 1.6V	2.2	-	9.4	ns
			V _{CC} =1.65V to 1.95V	1.9	-	7.4	ns
			V _{CC} =2.3V to 2.7V	1.7	-	5.9	ns
			V _{CC} =3.0V to 3.6V	1.7	-	4.8	ns



		2OE to 2Y see Figure 4	C _L =15pF				
			V _{CC} =1.1V to 1.3V	3.7	-	19.6	ns
			V _{CC} =1.4V to 1.6V	2.5	-	10.7	ns
			V _{CC} =1.65V to 1.95V	2.1	-	8.5	ns
			V _{CC} =2.3V to 2.7V	2.0	-	6.8	ns
			V _{CC} =3.0V to 3.6V	1.9	-	5.5	ns
			C _L =30pF				
			V _{CC} =1.1V to 1.3V	4.8	-	25.3	ns
			V _{CC} =1.4V to 1.6V	3.1	-	14.1	ns
			V _{CC} =1.65V to 1.95V	2.8	-	11.3	ns
			V _{CC} =2.3V to 2.7V	2.6	-	8.8	ns
			V _{CC} =3.0V to 3.6V	2.6	-	7.7	ns
			C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.6	-	13.6	ns
			V _{CC} =1.4V to 1.6V	2.2	-	7.7	ns
		V _{CC} =1.65V to 1.95V	1.7	-	6.2	ns	
		V _{CC} =2.3V to 2.7V	1.4	-	4.1	ns	
		V _{CC} =3.0V to 3.6V	1.2	-	3.4	ns	
		C _L =10pF					
		V _{CC} =1.1V to 1.3V	3.0	-	15.4	ns	
		V _{CC} =1.4V to 1.6V	2.1	-	8.6	ns	
		V _{CC} =1.65V to 1.95V	1.7	-	6.8	ns	
		V _{CC} =2.3V to 2.7V	1.4	-	4.8	ns	
		V _{CC} =3.0V to 3.6V	1.3	-	4.0	ns	
		C _L =15pF					
		V _{CC} =1.1V to 1.3V	3.3	-	17.1	ns	
		V _{CC} =1.4V to 1.6V	2.9	-	9.7	ns	
		V _{CC} =1.65V to 1.95V	2.0	-	7.7	ns	
V _{CC} =2.3V to 2.7V	1.7	-	5.6	ns			
V _{CC} =3.0V to 3.6V	1.5	-	4.7	ns			
C _L =30pF							
V _{CC} =1.1V to 1.3V	4.3	-	22.0	ns			
V _{CC} =1.4V to 1.6V	3.7	-	12.5	ns			
V _{CC} =1.65V to 1.95V	3.2	-	10.1	ns			
V _{CC} =2.3V to 2.7V	2.9	-	7.3	ns			
V _{CC} =3.0V to 3.6V	2.7	-	6.7	ns			
disable time	t _{dis}	1 OE to 1Y see Figure 4	C _L =5pF				
			V _{CC} =1.1V to 1.3V	2.7	-	8.2	ns
			V _{CC} =1.4V to 1.6V	2.1	-	5.7	ns
			V _{CC} =1.65V to 1.95V	2.0	-	5.7	ns
			V _{CC} =2.3V to 2.7V	1.4	-	4.1	ns
			V _{CC} =3.0V to 3.6V	1.7	-	3.9	ns
			C _L =10pF				
			V _{CC} =1.1V to 1.3V	3.4	-	9.9	ns
			V _{CC} =1.4V to 1.6V	2.2	-	7.1	ns
			V _{CC} =1.65V to 1.95V	1.9	-	7.1	ns
			V _{CC} =2.3V to 2.7V	1.7	-	5.1	ns



2OE to2Y see Figure 4	V _{CC} =3.0V to 3.6V	1.7	-	5.6	ns
	C _L =15pF				
	V _{CC} =1.1V to 1.3V	3.7	-	11.6	ns
	V _{CC} =1.4V to 1.6V	2.5	-	8.4	ns
	V _{CC} =1.65V to 1.95V	2.1	-	8.9	ns
	V _{CC} =2.3V to 2.7V	2.0	-	6.4	ns
	V _{CC} =3.0V to 3.6V	1.9	-	7.4	ns
	C _L =30pF				
	V _{CC} =1.1V to 1.3V	4.8	-	16.5	ns
	V _{CC} =1.4V to 1.6V	3.1	-	12.1	ns
	V _{CC} =1.65V to 1.95V	2.8	-	13.8	ns
	V _{CC} =2.3V to 2.7V	2.6	-	9.6	ns
	V _{CC} =3.0V to 3.6V	2.6	-	13.1	ns
	C _L =5pF				
	V _{CC} =1.1V to 1.3V	2.9	-	6.5	ns
	V _{CC} =1.4V to 1.6V	2.2	-	4.7	ns
	V _{CC} =1.65V to 1.95V	1.7	-	4.8	ns
	V _{CC} =2.3V to 2.7V	1.4	-	3.6	ns
	V _{CC} =3.0V to 3.6V	1.2	-	3.8	ns
	C _L =10pF				
	V _{CC} =1.1V to 1.3V	3.3	-	7.9	ns
	V _{CC} =1.4V to 1.6V	2.1	-	5.9	ns
	V _{CC} =1.65V to 1.95V	1.7	-	6.0	ns
	V _{CC} =2.3V to 2.7V	1.4	-	4.5	ns
	V _{CC} =3.0V to 3.6V	1.3	-	5.3	ns
	C _L =15pF				
	V _{CC} =1.1V to 1.3V	3.7	-	9.4	ns
	V _{CC} =1.4V to 1.6V	2.5	-	7.0	ns
	V _{CC} =1.65V to 1.95V	2.0	-	7.5	ns
	V _{CC} =2.3V to 2.7V	1.7	-	5.5	ns
	V _{CC} =3.0V to 3.6V	1.5	-	6.9	ns
	C _L =30pF				
	V _{CC} =1.1V to 1.3V	4.7	-	14.4	ns
	V _{CC} =1.4V to 1.6V	3.0	-	11.0	ns
	V _{CC} =1.65V to 1.95V	2.6	-	11.6	ns
	V _{CC} =2.3V to 2.7V	2.3	-	10.2	ns
	V _{CC} =3.0V to 3.6V	2.2	-	12.0	ns



4、Testing Circuit

4.1、AC Testing Circuit

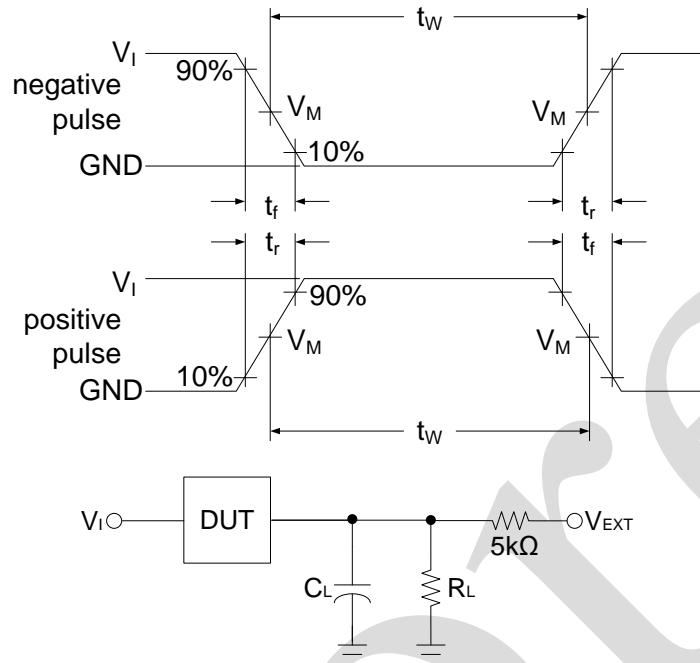


Figure 2. Test circuit for measuring switching times

C_L includes probe and jig capacitance.

R_L =Load resistance.

4.2、AC Testing Waveforms

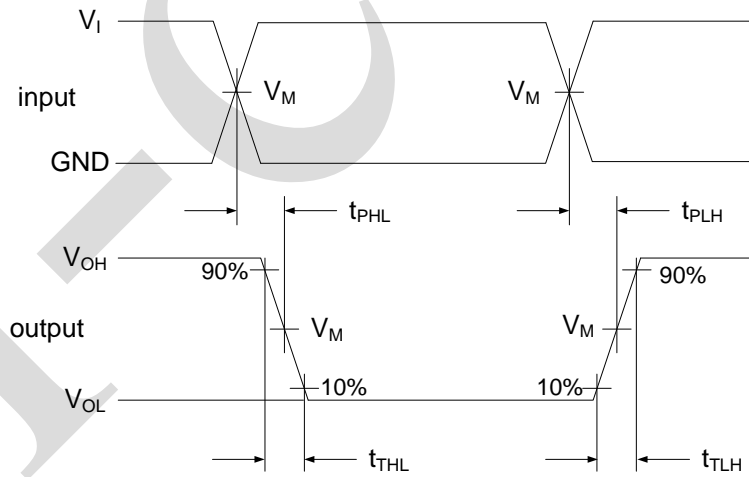
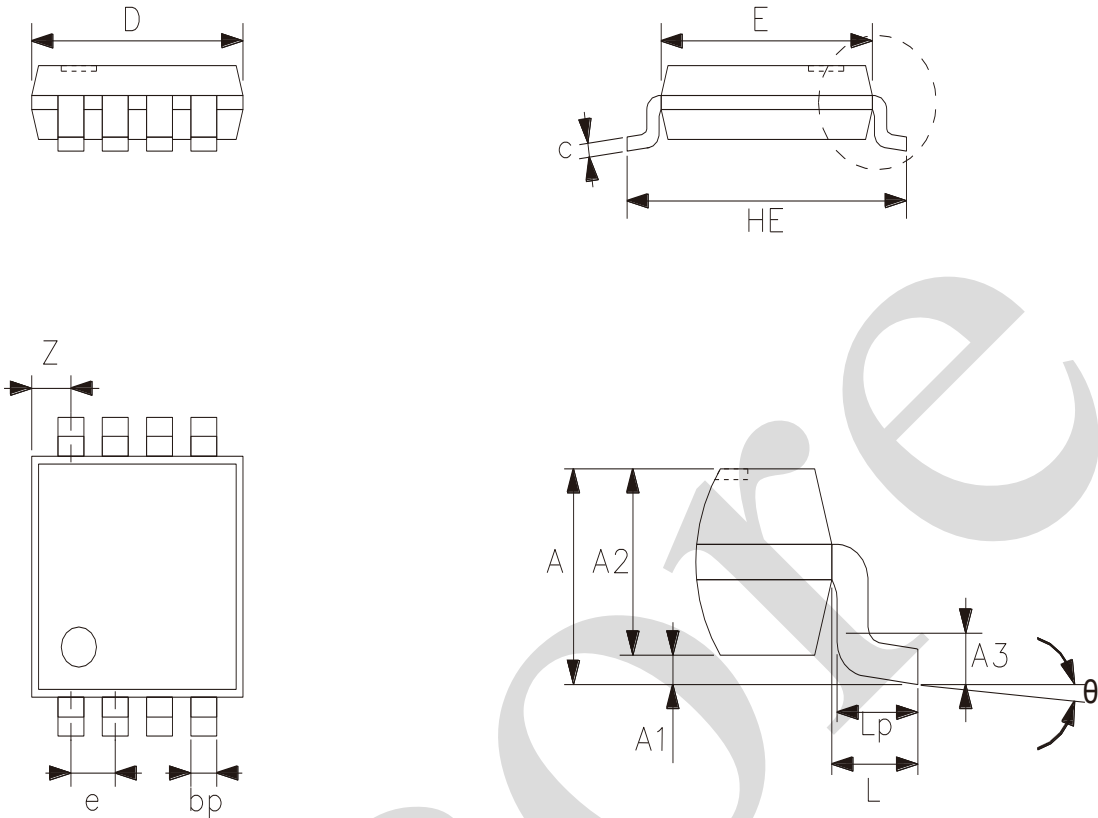


Figure 3. The input nA to output nY propagation delays



5、Package Information

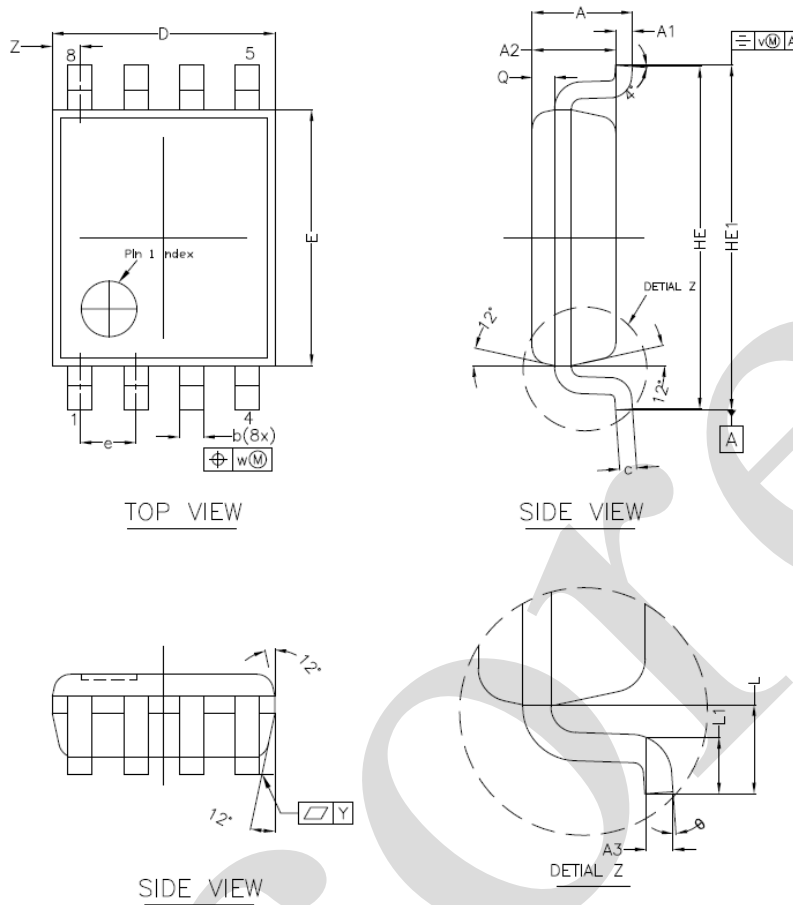
5.1、TSSOP8



2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	—	1.10
A1	0	0.15
A2	0.75	0.95
A3	0.25	
bp	0.22	0.38
c	0.08	0.18
D	2.90	3.10
E	2.90	3.10
HE	3.90	4.10
L	0.50	
Lp	0.33	0.47
e	0.65	
Z	0.35	0.70
θ	0°	8°



5.2、VSSOP8

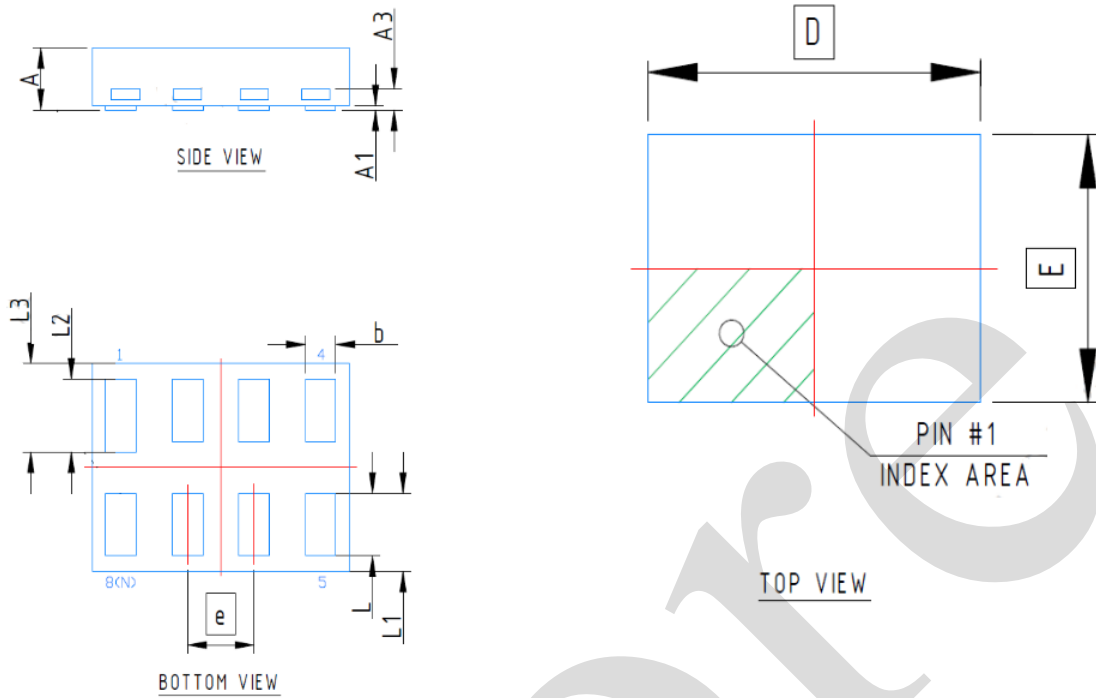


NOTES
 1.0 COP
 DIE ATTA
 2.0 D E

2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	—	1.00
A1	0.00	0.15
A2	0.60	0.85
A3	0.12	
Q	0.19	0.21
b	0.17	0.27
c	0.08	0.23
D	1.90	2.10
E	2.20	2.40
HE	3.00	3.20
HE1	3.00	3.40
e	0.50	
L	0.40	
L1	0.15	0.40
Y	0.10	
Z	0.10	0.40
θ	0°	8°



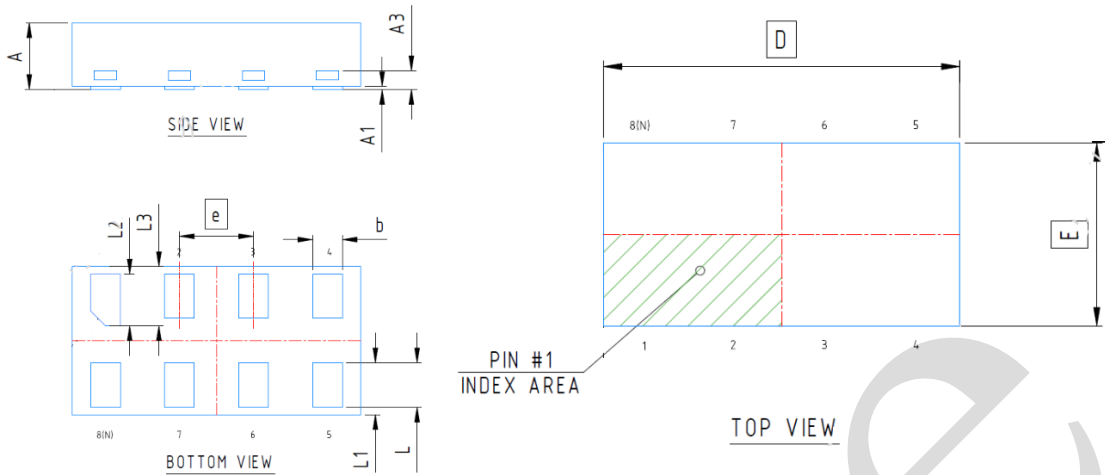
5.3、XSON8 (1*1.35*0.32)-0.35



2023/12/A	Dimensions In Millimeters	
Symbol	Min	Max
A	0.28	0.32
A1	0.00	0.05
A3	0.10	
b	0.11	0.21
D	1.35	
E	1.00	
e	0.35	
L	0.25	0.35
L1	0.275	0.475
L2	0.30	0.40
L3	0.325	0.525



5.3、XSON8 (1*1.95*0.5)-0.5



2023/12/A	Dimensions In Millimeters	
	Min	Max
A	0.45	0.55
A1	0	0.05
A3	0.127	
b	0.15	0.25
D	1.95	
E	1.00	
e	0.50	
L	0.25	0.35
L1	0.25	0.45
L2	0.30	0.40
L3	0.30	0.50



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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