

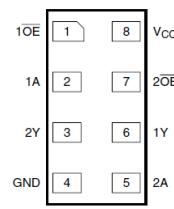
Description

The Advanced Ultra Low Power (AUP) CMOS logic family is designed for low power and extended battery life in portable applications.

The 74AUP2G125 is a dual 3-State Buffer. Each buffer has an individual output enable pin while asserted HIGH will place the output in a high impedance state. The device is designed for operation over a power supply range of 0.8 V to 3.6 V. The device is fully specified for partial power down applications using I_{OFF} . The I_{OFF} circuitry disables the output preventing damaging current backflow when the device is powered down.

Pin Assignments

(Top View)



X2-DFN1210-8

Features

- Advanced Ultra Low Power (AUP) CMOS
- Supply Voltage Range from 0.8 V to 3.6 V
- ± 4 mA Output Drive at 3.0 V
- Low Static Power Consumption
- $I_{CC} < 0.9$ μ A
- Low Dynamic Power Consumption
- $C_{PD} = 6$ pF Typical at 3.6 V
- Schmitt trigger action at all inputs make the circuit tolerant for slower input rise and fall time. The hysteresis is typically 250 mV at $V_{CC} = 3.0$ V
- I_{OFF} Supports Partial-Power-Down Mode Operation
- ESD Protection per JESD 22
 - Exceeds 200-V Machine Model (A115)
 - Exceeds 2000-V Human Body Model (A114)
 - Exceeds 1000-V Charged Device Model (C101)
- Latch-Up Exceeds 100mA per JESD 78, Class I
- Leadless Packages per JESD30E
- DFN1210 Denoted as X2-DFN1210-8
- Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 2)**
- Halogen and Antimony Free. "Green" Device (Note 3)**

Applications

- Suited for Battery and Low Power Needs
- Wide array of products such as:
 - Tablets, E-readers
 - Cell Phones, Personal Navigation / GPS
 - MP3 Players, Cameras, Video Recorders
 - PCs, Ultrabooks, Notebooks, Netbooks
 - Computer Peripherals, Hard Drives, SSD, CD/DVD ROM
 - TV, DVD, DVR, Set-Top Box

Notes:

- No purposely added lead. Fully EU Directive 2002/95/EC (RoHS) & 2011/65/EU (RoHS 2) compliant.
- See http://www.diodes.com/quality/lead_free.html for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
- Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Ordering Information

Logic Device	Function	Package	Packing
74 : Logic Prefix AUP : 0.8 to 3.6 V Logic Family 2G : Dual Gate	125 : 3-State Buffer OE active LOW	RA3 : X2-DFN1210-8	-7 : 7" Tape & Reel

Device	Package Code	Package (Notes 4 & 5)	Package Size	7" Tape and Reel	
				Quantity	Part Number Suffix
74AUP2G125RA3-7	RA3	X2-DFN1210-8	1.2mm X 1.0 mm X 0.35mm 0.3 mm lead pitch	5,000/Tape & Reel	-7

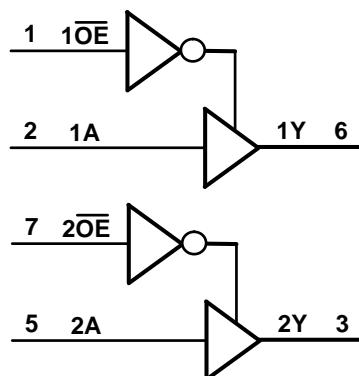
Notes: 4. Pad layout as shown on Diodes Inc. suggested pad layout document AP02001, which can be found on our website at <http://www.diodes.com/datasheets/ap02001.pdf>.

5. The taping orientation is located on our website at <http://www.diodes.com/datasheets/ap02007.pdf>.

Pin Descriptions

Pin Name	Pin NO.	Description
1 OE	1	Output Enable active LOW
1A	2	Data Input
2Y	3	Data Output
GND	4	Ground
2A	5	Data Input
1Y	6	Data Output
2 OE	7	Output Enable active LOW
V _{cc}	8	Supply Voltage

Logic Diagram



Function Table

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

Absolute Maximum Ratings (Notes 6 & 7)

Symbol	Description	Rating	Unit
ESD HBM	Human Body Model ESD Protection	2	kV
ESD CDM	Charged Device Model ESD Protection	1	kV
V_{CC}	Supply Voltage Range	-0.5 to +4.6	V
V_I	Input Voltage Range	-0.5 to +4.6	V
V_O	Voltage Applied to Output in High or Low State	-0.5 to V_{CC} +0.5	V
I_{IK}	Input Clamp Current $V_I < 0$	50	mA
I_{OK}	Output Clamp Current ($V_O < 0$)	50	mA
I_O	Continuous Output Current ($V_O = 0$ to V_{CC})	± 20	mA
I_{CC}	Continuous Current Through V_{CC}	50	mA
I_{GND}	Continuous Current Through GND	-50	mA
T_J	Operating Junction Temperature	-40 to +150	°C
T_{STG}	Storage Temperature	-65 to +150	°C

Notes:

6. Stresses beyond the absolute maximum may result in immediate failure or reduced reliability. These are stress values and device operation should be within recommended values.
7. Forcing the maximum allowed voltage could cause a condition exceeding the maximum current or conversely forcing the maximum current could cause a condition exceeding the maximum voltage. The ratings of both current and voltage must be maintained within the controlled range.

Recommended Operating Conditions (Note 8)

Symbol	Parameter	Min	Max	Unit	
V_{CC}	Operating Voltage	0.8	3.6	V	
V_I	Input Voltage	0	3.6	V	
V_O	Output Voltage	0	V_{CC}	V	
I_{OH}	High-Level Output Current	$V_{CC} = 0.8V$	—	-20	μA
		$V_{CC} = 1.1V$	—	-1.1	mA
		$V_{CC} = 1.4V$	—	-1.7	
		$V_{CC} = 1.65V$	—	-1.9	
		$V_{CC} = 2.3V$	—	-3.1	
		$V_{CC} = 3.0V$	—	-4	
I_{OL}	Low-Level Output Current	$V_{CC} = 0.8V$	—	20	μA
		$V_{CC} = 1.1V$	—	1.1	mA
		$V_{CC} = 1.4V$	—	1.7	
		$V_{CC} = 1.65V$	—	1.9	
		$V_{CC} = 2.3V$	—	3.1	
		$V_{CC} = 3.0V$	—	4	
$\Delta t/\Delta V$	Input Transition Rise or Fall Rate	$V_{CC} = 0.8V$ to $3.6V$	—	200	ns/V
T_A	Operating Free-Air Temperature	—	-40	125	°C

Note: 8. Unused inputs should be held at V_{CC} or Ground.

Electrical Characteristics

Symbol	Parameter	Test Conditions	V _{CC}	T _A = +25°C		T _A = -40°C to +85°C		Unit
				Min	Max	Min	Max	
V _{IH}	High-Level Input Voltage	—	0.8V to 1.65V	0.80 X V _{CC}	—	0.80 X V _{CC}	—	V
		—	1.65V to 1.95V	0.65 X V _{CC}	—	0.65 X V _{CC}	—	
		—	2.3V to 2.7V	1.6	—	1.6	—	
		—	3.0V to 3.6V	2.0	—	2.0	—	
V _{IL}	Low-Level Input Voltage	—	0.8V to 1.65V	—	0.30 X V _{CC}	—	0.30 X V _{CC}	V
		—	1.65V to 1.95V	—	0.35 X V _{CC}	—	0.35 X V _{CC}	
		—	2.3V to 2.7V	—	0.7	—	0.7	
		—	3.0V to 3.6V	—	0.9	—	0.9	
V _{OH}	High-Level Output Voltage	I _{OH} = -20µA	0.8V to 3.6V	V _{CC} - 0.1	—	V _{CC} - 0.1	—	V
		I _{OH} = -1.1mA	1.1V	0.75 X V _{CC}	—	0.7 X V _{CC}	—	
		I _{OH} = -1.7mA	1.4V	1.11	—	1.03	—	
		I _{OH} = -1.9mA	1.65V	1.32	—	1.3	—	
		I _{OH} = -2.3mA	2.3V	2.05	—	1.97	—	
		I _{OH} = -3.1mA		1.9	—	1.85	—	
		I _{OH} = -2.7mA	3V	2.72	—	2.67	—	
		I _{OH} = -4mA		2.6	—	2.55	—	
V _{OL}	Low-Level Output Voltage	I _{OL} = 20µA	0.8V to 3.6V	—	0.1	—	0.1	V
		I _{OL} = 1.1mA	1.1V	—	0.3 X V _{CC}	—	0.3 X V _{CC}	
		I _{OL} = 1.7mA	1.4V	—	0.31	—	0.37	
		I _{OL} = 1.9mA	1.65V	—	0.31	—	0.35	
		I _{OL} = 2.3mA	2.3V	—	0.31	—	0.33	
		I _{OL} = 3.1mA		—	0.44	—	0.45	
		I _{OL} = 2.7mA	3V	—	0.31	—	0.33	
		I _{OL} = 4mA		—	0.44	—	0.45	
I _I	Input Current	A or B Input V _I = GND to 3.6V	0 to 3.6V	—	± 0.1	—	± 0.5	µA
I _{OZ}	Z-State Leakage Current	V _I or V _O = 0V to 3.6V	0 to 3.6V	—	0.2	—	± 0.5	µA
I _{OFF}	Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0 V	—	± 0.2	—	± 0.5	µA
ΔI _{OFF}	Delta Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0 V to 0.2V	—	0.2	—	0.6	µA
I _{CC}	Supply Current	V _I = GND or V _{CC} , I _O = 0	0.8 V to 3.6V	—	0.5	—	0.9	µA
ΔI _{CC}	Additional Supply Current	Data Input at V _{CC} - 0.6 V OE = GND I _O = 0 A	3.3V	—	40	—	50	µA
		OE Input at V _{CC} - 0.6 V Data Input = GND or V _{CC} I _O = 0 A	3.3V	—	110	—	120	µA
		OE Input at V _{CC} Data Input = GND to 3.6 V I _O = 0 A	0.8V to 3.6V	—	1	—	1	µA

Electrical Characteristics (cont.)

Symbol	Parameter	Test Conditions	V _{CC}	T _A = -40°C to +125°C		Unit
				Min	Max	
V _{IH}	High-Level Input Voltage	—	0.8V to 1.65V	0.80 X V _{CC}	—	V
		—	1.65V to 1.95V	0.70 X V _{CC}	—	
		—	2.3V to 2.7V	1.6	—	
		—	3.0V to 3.6V	2.0	—	
V _{IL}	Low-Level Input Voltage	—	0.8V to 1.65V	—	0.25 X V _{CC}	V
		—	1.65V to 1.95V	—	0.30 X V _{CC}	
		—	2.3V to 2.7V	—	0.7	
		—	3.0V to 3.6V	—	0.9	
V _{OH}	High-Level Output Voltage	I _{OH} = -20µA	0.8V to 3.6V	V _{CC} - 0.11	—	V
		I _{OH} = -1.1mA	1.1V	0.6 X V _{CC}	—	
		I _{OH} = -1.7mA	1.4V	0.93	—	
		I _{OH} = -1.9mA	1.65V	1.17	—	
		I _{OH} = -2.3mA	2.3V	1.77	—	
		I _{OH} = -3.1mA		1.67	—	
		I _{OH} = -2.7mA	3V	2.40	—	
		I _{OH} = -4mA		2.30	—	
V _{OL}	Low-Level Output Voltage	I _{OL} = 20µA	0.8V to 3.6V	—	0.11	V
		I _{OL} = 1.1mA	1.1V	—	0.33 X V _{CC}	
		I _{OL} = 1.7mA	1.4V	—	0.41	
		I _{OL} = 1.9mA	1.65V	—	0.39	
		I _{OL} = 2.3mA	2.3V	—	0.36	
		I _{OL} = 3.1mA		—	0.50	
		I _{OL} = 2.7mA	3V	—	0.36	
		I _{OL} = 4mA		—	0.50	
I _I	Input Current	A or B Input, V _I = GND to 3.6V	0 to 3.6V	—	± 0.75	µA
I _{OZ}	Z-State Leakage Current	V _I or V _O = 0V to 3.6V	0 to 3.6V	—	± 1.5	µA
I _{OFF}	Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0	—	± 3.5	µA
ΔI _{OFF}	Delta Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0V to 0.2V	—	± 2.5	µA
I _{CC}	Supply Current	V _I = GND or V _{CC} , I _O = 0	0.8V to 3.6V	—	3.0	µA
ΔI _{CC}	Additional Supply Current	Data Input at V _{CC} - 0.6 V OE = GND I _O = 0 A	3.3V	—	75	µA
		OE Input at V _{CC} - 0.6 V Data Input = GND or V _{CC} I _O = 0 A	3.3V	—	180	µA
		OE Input at V _{CC} Data Input = GND to 3.6 V I _O = 0 A	0.8V to 3.6V	—	1	µA

Operating and Package Characteristics (@ $T_A = +25^\circ\text{C}$, unless otherwise specified.)

Parameter		Test Conditions		V_{CC}	Typ	Unit
C_{pd}	Power Dissipation Capacitance per gate	$f = 1\text{MHz}$ Output Enabled No Load	0.8V	6.5		pF
			1.2V $\pm 0.1\text{V}$	6.3		
			1.5V $\pm 0.1\text{V}$	6.3		
			1.8V $\pm 0.15\text{V}$	6.2		
			2.5V $\pm 0.2\text{V}$	6.2		
			3.3V $\pm 0.3\text{V}$	6.1		
C_i	Input Capacitance	$V_i = V_{CC}$ or GND		0V or 3.3V	1.5	pF
C_o	Output Capacitance	Output Enabled $V_O = \text{Gnd}$		0 V	2.9	pF
		Output Disabled $V_O = \text{Gnd}$ or V_{CC}		0V or 3.6V	2.1	pF
θ_{JA}	Thermal Resistance Junction-to-Ambient	X2-DFN1210-8	(Note 9)	—	395	$^\circ\text{C}/\text{W}$
θ_{JC}	Thermal Resistance Junction-to-Case	X2-DFN1210-8	(Note 9)	—	236	$^\circ\text{C}/\text{W}$

Note: 9. Test condition, X2-DFN1210-8 device mounted on FR-4 substrate PC board, 2oz copper, with minimum recommended pad layout.

Switching Characteristics

 C_L = 5pF, See Figure 1

Parameter	From Input	To Output	V _{CC}	T _A = +25°C			T _A = -40°C to +85°C		T _A = -40°C to +125°C		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	20.6	—	—	—	—	—	ns
			1.2V ± 0.1V	2.8	5.5	12.6	2.5	14.0	2.5	17	
			1.5V ± 0.1V	2.2	3.9	7.3	2.0	7.5	2.0	8.1	
			1.8V ± 0.15V	1.9	3.2	4.8	1.7	6.1	1.7	6.7	
			2.5V ± 0.2V	1.6	2.6	3.6	1.4	4.3	1.4	4.9	
			3.3V ± 0.3V	1.4	2.4	3.1	1.2	3.9	1.2	4.4	
t _{en}	OE	Y	0.8V	—	69.9	—	—	—	—	—	ns
			1.2V ± 0.1V	3.1	6.1	14.2	2.9	20	2.9	22.2	
			1.5V ± 0.1V	2.5	4.2	7.9	2.3	9.2	2.3	10.0	
			1.8V ± 0.15V	2.1	3.4	6.1	2.0	7.4	2.0	8.2	
			2.5V ± 0.2V	1.8	2.6	4.4	1.7	5.4	1.7	6.0	
			3.3V ± 0.3V	1.7	2.4	4.0	1.7	4.6	1.7	5.1	
t _{dis}	OE	Y	0.8V	—	14.3	—	—	—	—	—	ns
			1.2V ± 0.1V	2.7	4.3	9.4	2.7	10.6	2.7	11.8	
			1.5V ± 0.1V	2.1	3.2	6.4	2.1	7.3	2.1	8.2	
			1.8V ± 0.15V	2.0	3.0	5.5	2.0	6.3	2.0	7.1	
			2.5V ± 0.2V	1.4	2.2	3.7	1.4	4.2	1.4	5.1	
			3.3V ± 0.3V	1.7	2.5	4.4	1.7	4.6	1.7	5.4	

 C_L = 10pF, See Figure 1

Parameter	From Input	To Output	V _{CC}	T _A = +25°C			T _A = -40°C to +85°C		T _A = -40°C to +125°C		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	24.0	—	—	—	—	—	ns
			1.2V ± 0.1V	3.2	6.4	14.8	3.0	16.6	3.0	18.2	
			1.5V ± 0.1V	2.1	4.5	8.8	1.9	9.1	1.9	9.4	
			1.8V ± 0.15V	1.9	3.8	5.5	1.7	6.8	1.7	7.6	
			2.5V ± 0.2V	2.1	3.2	4.2	1.6	5.3	1.6	5.9	
			3.3V ± 0.3V	1.8	3.0	3.8	1.6	4.6	1.6	5.2	
t _{en}	OE	Y	0.8V	—	73.7	—	—	—	—	—	ns
			1.2V ± 0.1V	3.6	6.9	16.2	3.4	22.8	3.4	25.2	
			1.5V ± 0.1V	2.3	4.8	9.2	2.2	10.3	2.2	11.3	
			1.8V ± 0.15V	2.0	3.9	7.0	1.9	8.2	1.9	8.9	
			2.5V ± 0.2V	1.8	3.2	5.2	1.7	6.4	1.7	7.1	
			3.3V ± 0.3V	1.7	3.0	5.1	1.7	5.6	1.7	6.2	
t _{dis}	OE	Y	0.8V	—	32.7	—	—	—	—	—	ns
			1.2V ± 0.1V	3.4	5.4	11.4	3.4	12.7	3.4	14.3	
			1.5V ± 0.1V	2.2	4.1	7.9	2.2	8.9	2.2	10.2	
			1.8V ± 0.15V	2.2	4.2	7.0	1.9	8.0	1.9	8.9	
			2.5V ± 0.2V	1.7	3.0	4.8	1.7	5.7	1.7	6.4	
			3.3V ± 0.3V	2.1	3.8	6.5	1.7	6.8	1.7	7.7	

Switching Characteristics (cont.)

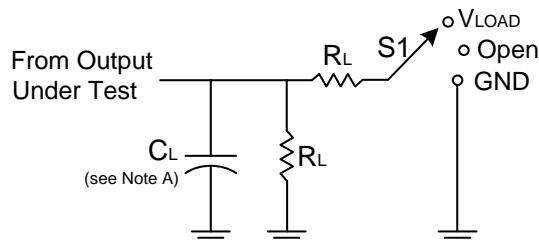
 C_L = 15pF, See Figure 1

Parameter	From Input	To Output	V _{CC}	T _A = +25°C			T _A = -40°C to +85°C		T _A = -40°C to +125°C		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	27.4	—	—	—	—	—	ns
			1.2V ± 0.1V	3.6	7.2	15.8	3.3	22.4	3.3	22.5	
			1.5V ± 0.1V	3.0	5.1	8.8	2.5	9.8	2.5	10.9	
			1.8V ± 0.15V	2.2	4.3	6.3	2.0	7.9	2.0	8.8	
			2.5V ± 0.2V	2.0	3.7	4.9	1.8	6.0	1.8	6.7	
			3.3V ± 0.3V	2.0	3.5	4.4	1.8	5.4	1.8	6.1	
t _{en}	OE	Y	0.8V	—	77.5	—	—	—	—	—	ns
			1.2V ± 0.1V	4.0	7.7	18.2	3.7	21.8	3.7	23.5	
			1.5V ± 0.1V	3.0	5.3	10.1	2.5	11.8	2.5	12.8	
			1.8V ± 0.15V	2.3	4.4	7.8	2.1	9.2	2.1	10.2	
			2.5V ± 0.2V	2.1	3.6	6.0	2.0	7.3	2.0	8.2	
			3.3V ± 0.3V	2.0	3.5	5.7	1.9	6.4	1.9	7.2	
t _{dis}	OE	Y	0.8V	—	60.8	—	—	—	—	—	ns
			1.2V ± 0.1V	4.3	6.5	13.9	3.7	15.5	3.7	15.7	
			1.5V ± 0.1V	3.0	5.0	8.8	2.5	9.7	2.5	9.8	
			1.8V ± 0.15V	3.0	5.3	8.8	2.1	10.3	2.1	10.5	
			2.5V ± 0.2V	2.1	3.8	8.2	2.0	8.4	2.0	8.6	
			3.3V ± 0.3V	2.9	5.0	8.6	1.9	9.2	1.9	9.4	

 C_L = 30pF, See Figure 1

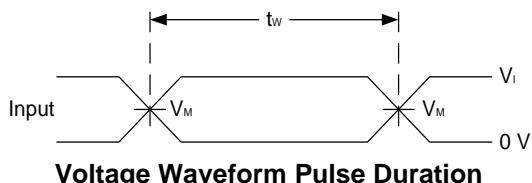
Parameter	From Input	To Output	V _{CC}	T _A = +25°C			T _A = -40°C to +85°C		T _A = -40°C to +125°C		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	37.4	—	—	—	—	—	ns
			1.2V ± 0.1V	4.8	9.5	21	4.4	24.9	4.4	25	
			1.5V ± 0.1V	4.0	6.7	10.8	3.0	13.0	3.0	14.5	
			1.8V ± 0.15V	2.9	5.6	8.4	2.6	10.3	2.6	11.5	
			2.5V ± 0.2V	2.7	4.8	6.3	2.5	7.8	2.5	8.7	
			3.3V ± 0.3V	2.7	4.6	6	2.5	7.5	2.5	8.3	
t _{en}	OE	Y	0.8V	—	88.9	—	—	—	—	—	ns
			1.2V ± 0.1V	5.2	9.9	23.8	4.8	27.4	4.8	30.4	
			1.5V ± 0.1V	4.0	6.8	13.0	3.1	15.1	3.1	16.9	
			1.8V ± 0.15V	3.0	5.6	10.2	2.8	12.2	2.8	13.6	
			2.5V ± 0.2V	2.7	4.8	7.8	2.6	9.4	2.6	10.6	
			3.3V ± 0.3V	2.7	4.6	7.8	2.6	9.0	2.6	10.0	
t _{dis}	OE	Y	0.8V	—	49.9	—	—	—	—	—	ns
			1.2V ± 0.1V	6.0	9.9	16.0	4.8	17.8	4.8	19.8	
			1.5V ± 0.1V	4.4	7.7	11.5	3.1	13.0	3.1	14.5	
			1.8V ± 0.15V	5.1	8.7	13.3	2.8	14.9	2.8	16.6	
			2.5V ± 0.2V	3.6	6.2	9.1	2.6	10.3	2.6	11.5	
			3.3V ± 0.3V	5.2	8.7	13.7	2.6	14.0	2.6	17.0	

Parameter Measurement Information

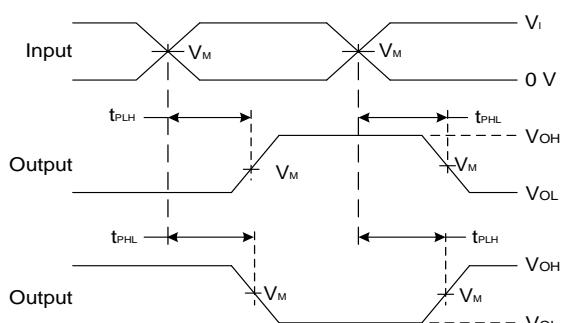


TEST	S1	R _L
t _{PLH} /t _{PHL}	Open	1MΩ
t _{PLZ} /t _{PZL}	V _{load}	5KΩ
t _{PHZ} /t _{PZH}	GND	5KΩ

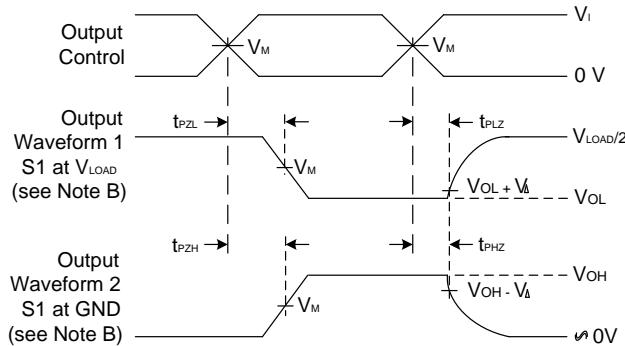
V _{CC}	Inputs		V _M	V _{LOAD}	C _L	V _Δ
	V _I	t _r /t _f				
0.8V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.1 V
1.2V±0.1V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.1 V
1.5V±0.1V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.1 V
1.8V ±0.15V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.15 V
2.5V±0.2V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.15 V
3.3V±0.3V	V _{CC}	≤3ns	V _{CC} /2	2 X V _{CC}	5, 10, 15, 30pF	0.3V



Voltage Waveform Pulse Duration



**Voltage Waveform Propagation Delay Times
Inverting and Non Inverting Outputs**



**Voltage Waveform Enable and Disable Times
Low and High Level Enabling**

Figure 1 Load Circuit and Voltage Waveforms

Notes:

- A. Includes test lead and test apparatus capacitance.
- B. All pulses are supplied at pulse repetition rate ≤ 10 MHz.
- C. Inputs are measured separately one transition per measurement.
- D. t_{PLZ} and t_{PHZ} are the same as t_{dis}.
- E. t_{PZL} and t_{PZH} are the same as t_{EN}.
- F. t_{PLH} and t_{PHL} are the same as t_{PD}.

Marking Information

X2-DFN1210-8

(Top View)

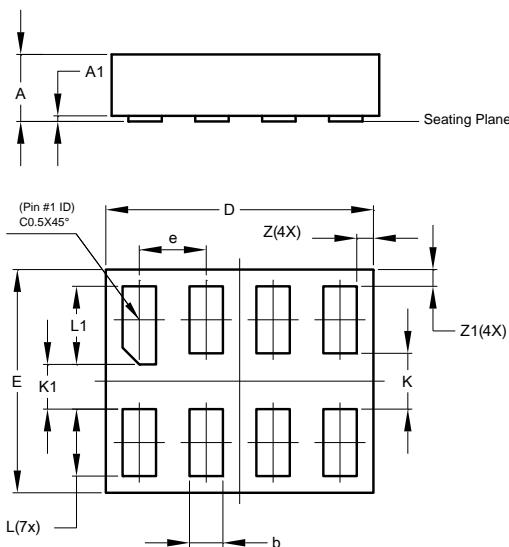


XX : Identification Code
Y : Year : 0~9
W : week : A~Z : 1~26 week
a~z: 27~52 week
z represents 52 and 53 week
X : week : A~Z : Internal code

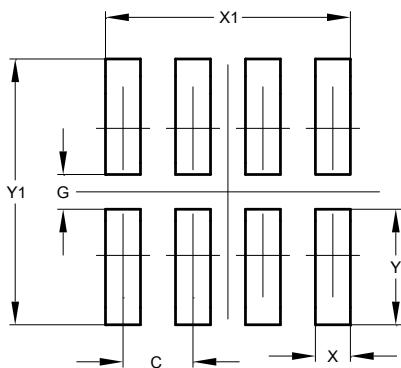
Part Number	Package	Identification Code
74AUP2G125RA3-7	X2-DFN1210-8	JT

X2-DFN1210-8 Package Outline Dimensions and Suggested Pad Layout

Please see AP02002 at <http://www.diodes.com/datasheets/ap02002.pdf> for the latest version.



X2-DFN1210-8			
Dim	Min	Max	Typ
A	-	0.35	0.30
A1	0	0.03	0.02
b	0.10	0.20	0.15
D	1.15	1.25	1.20
E	0.95	1.05	1.00
e	-	-	0.30
K	-	-	0.25
K1	-	-	0.20
L	0.25	0.35	0.30
L1	0.30	0.40	0.35
Z	0.050	0.100	0.075
Z1	0.050	0.100	0.075
All Dimensions in mm			



Dimensions	Value (in mm)
C	0.300
G	0.150
X	0.150
X1	1.050
Y	0.500
Y1	1.150

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