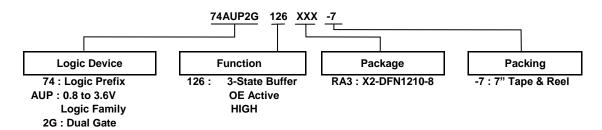


### **Ordering Information**



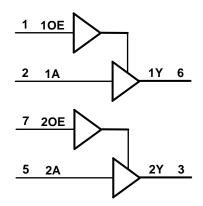
Dovice	Device Package Package Package Code (Notes 4, 5) Size		Package	7" Tape and Reel			
Device			Quantity	Part Number Suffix			
74AUP2G126RA3-7	-7 RA3 X2-DFN1210-8 1.2mm X 1.0mm X 0.35mm 0.3mm Lead Pitch			5000/Tape & Reel	-7		

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

### **Pin Descriptions**

Pin NO.	Pin Name	Description
1	10E	Output Enable Active HIGH
2	1A	Data Input
3	2Y	Data Output
4	GND	Ground
5	2A	Data Input
6	1Y	Data Output
7	20E	Output Enable Active HIGH
8	Vcc	Supply Voltage

## **Logic Diagram**



## Function Table

Inpu	Output					
OE	OE A					
Н	Н	Н				
Н	L	L				
L	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 <sub>CC</sub>	Supply Voltage Range	-0.5 to +4.6	V
VI	Input Voltage Range	-0.5 to +4.6	V
Vo	Voltage Applied to Output in High or Low State	-0.5 to V <sub>CC</sub> +0.5	V
I <sub>IK</sub>	Input Clamp Current (V <sub>I</sub> < 0)	50	mA
I <sub>OK</sub>	Output Clamp Current (V <sub>O</sub> < 0)	50	mA
lο	Continuous Output Current (V <sub>O</sub> = 0 to V <sub>CC</sub> )	±20	mA
Icc	Continuous Current Through V <sub>CC</sub>	50	mA
I <sub>GND</sub>	Continuous Current Through GND	-50	mA
TJ	Operating Junction Temperature	-40 to +150	°C
T <sub>STG</sub>	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 recommend 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	Para	ameter	Min	Max	Unit
$V_{CC}$	Operating Voltage		0.8	3.6	V
VI	Input Voltage		0	3.6	V
Vo	Output Voltage		0	V <sub>CC</sub>	V
		V <sub>CC</sub> = 0.8V	_	-20	μΑ
		V <sub>CC</sub> = 1.1V	_	-1.1	
	High Lavel Cutaut Cumant	V <sub>CC</sub> = 1.4V	_	-1.7	
ЮН	IOH High-Level Output Current	V <sub>CC</sub> = 1.65V	_	-1.9	mA
		V <sub>CC</sub> = 2.3V	_	-3.1	
		V <sub>CC</sub> = 3.0V	_	-4	
		V <sub>CC</sub> = 0.8V	_	20	μΑ
		V <sub>CC</sub> = 1.1V	_	1.1	
	Level aval Ovtavt Ovasat	V <sub>CC</sub> = 1.4V	_	1.7	
l <sub>OL</sub>	Low-Level Output Current	V <sub>CC</sub> = 1.65V	_	1.9	mA
		V <sub>CC</sub> = 2.3V	_	3.1	
		V <sub>CC</sub> = 3.0V	_	4	
Δt/ΔV	Input Transition Rise or Fall Rate V <sub>CC</sub> = 0.8V to 3.6V		_	200	ns/V
T <sub>A</sub>	Operating Free-Air Temperature		-40	+125	°C

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



## **Electrical Characteristics**

Symbol	Symbol Parameter	Test Conditions	V	T <sub>A</sub> = -	+25°C	T <sub>A</sub> = -40°0	C to +85°C	Unit
Symbol	Parameter	rest Conditions	V <sub>CC</sub>	Min	Max	Min	Max	Unit
		_	0.8V to 1.65V	0.80 X V <sub>CC</sub>	_	0.80 X V <sub>CC</sub>	_	
$V_{IH}$	High-Level Input	_	1.65V to 1.95V	0.65 X V <sub>CC</sub>	_	0.65 X V <sub>CC</sub>	_	V
VIН	Voltage	_	2.3V to 2.7V	1.6	_	1.6	_	v
		_	3.0V to 3.6V	2.0	_	2.0	_	
		_	0.8V to 1.65V	_	0.30 X V <sub>CC</sub>	_	0.30 X V <sub>CC</sub>	
$V_{IL}$	Low-Level Input	_	1.65V to 1.95V	_	0.35 X V <sub>CC</sub>	_	0.35 X V <sub>CC</sub>	V
V IL	Voltage	_	2.3V to 2.7V		0.7	_	0.7	•
		_	3.0V to 3.6V		0.9	_	0.9	
		$I_{OH} = -20\mu A$	0.8V to 3.6V	V <sub>CC</sub> - 0.1	_	V <sub>CC</sub> – 0.1	_	
		I <sub>OH</sub> = -1.1mA	1.1V	0.75 X V <sub>CC</sub>	_	0.7 X V <sub>CC</sub>	_	
	High-Level Output	$I_{OH} = -1.7 \text{mA}$	1.4V	1.11	_	1.03	_	
\		$I_{OH} = -1.9 \text{mA}$	1.65V	1.32	_	1.3	_	V
Vон	Voltage	I <sub>OH</sub> = -2.3mA	0.01/	2.05	_	1.97	_	V
		I <sub>OH</sub> = -3.1mA	2.3V	1.9	_	1.85	_	
		I <sub>OH</sub> = -2.7mA	01/	2.72	_	2.67	_	
		I <sub>OH</sub> = -4mA	3V	2.6	_	2.55	_	
		I <sub>OL</sub> = 20μA	0.8V to 3.6V	_	0.1	_	0.1	
		I <sub>OL</sub> = 1.1mA	1.1V	_	0.3 X V <sub>CC</sub>	_	0.3 X V <sub>CC</sub>	
		I <sub>OL</sub> = 1.7mA	1.4V	_	0.31 —		0.37	]
	Low-Level Output	I <sub>OL</sub> = 1.9mA	1.65V	_	0.31	_	0.35	V
$V_{OL}$	Voltage	I <sub>OL</sub> = 2.3mA	2.21/	_	0.31	_	0.33	
		I <sub>OL</sub> = 3.1mA	2.3V	_	0.44	_	0.45	
		$I_{OL} = 2.7 \text{mA}$		_	0.31	_	0.33	
		I <sub>OL</sub> = 4mA	3V	_	0.44	_	0.45	
II	Input Current	A or B Input V <sub>I</sub> = GND to 3.6V	0 to 3.6V	_	±0.1	_	±0.5	μΑ
l <sub>OZ</sub>	Z-State Leakage Current	$V_1$ or $V_0 = 0V$ to 3.6V	0 to 3.6V	_	0.2	_	±0.5	μΑ
loff	Power Down Leakage Current	$V_1$ or $V_0 = 0V$ to 3.6V	0V	_	±0.2	_	±0.5	μΑ
$\Delta I_{OFF}$	Delta Power Down Leakage Current	$V_I$ or $V_O = 0V$ to 3.6V	0V to 0.2V	_	0.2	_	0.6	μΑ
Icc	Supply Current	$V_I = GND \text{ or } V_{CC}, I_O = 0$	0.8V to 3.6V	_	0.5	_	0.9	μΑ
		Data Input at $V_{CC}$ =0.6 $V$ OE = GND, $I_O$ = 0A	3.3V	_	40	_	50	μΑ
$\Delta I_{CC}$	Additional Supply Current	OE Input at V <sub>CC</sub> -0.6V Data Input = GND or V <sub>CC</sub> , I <sub>O</sub> = 0A	3.3V	_	110	_	120	μΑ
		OE Input at VCC Data Input = GND to 3.6V, I <sub>O</sub> = 0A	0.8V to 3.6V	_	1	_	1	μΑ



## **Electrical Characteristics (Cont.)**

0	D	Tart Oan ditions	V	T <sub>A</sub> = -40°C	to +125°C	1111	
Symbol	Parameter	Test Conditions	V <sub>CC</sub>	Min	Max	Unit	
		_	0.8V to 1.65V	0.80 X V <sub>CC</sub>	_		
\ <i>/</i>	High-Level Input	_	1.65V to 1.95V	0.70 X V <sub>CC</sub>	_		
$V_{IH}$	Voltage	_	2.3V to 2.7V	1.6	_	v	
		_	3.0V to 3.6V	2.0	_		
		_	0.8V to 1.65V	_	0.25 X V <sub>CC</sub>		
VIL	Low-Level Input	_	1.65V to 1.95V	_	0.30 X V <sub>CC</sub>	V	
VIL	Voltage	_	2.3V to 2.7V	_	0.7	V	
		_	3.0V to 3.6V		0.9		
		$I_{OH} = -20\mu A$	0.8V to 3.6V	V <sub>CC</sub> – 0.11	_		
		I <sub>OH</sub> = -1.1mA	1.1V	0.6 X V <sub>CC</sub>	_		
		$I_{OH} = -1.7 \text{mA}$	1.4V	0.93	_		
	High-Level Output	I <sub>OH</sub> = -1.9mA	1.65V	1.17	_		
Vон	Voltage	I <sub>OH</sub> = -2.3mA	0.01/	1.77	_		
		I <sub>OH</sub> = -3.1mA	2.3V	1.67	_		
		I <sub>OH</sub> = -2.7mA	2) /	2.40	_		
		I <sub>OH</sub> = -4mA	3V	2.30	_		
		I <sub>OL</sub> = 20μA	0.8V to 3.6V	_	0.11		
		I <sub>OL</sub> = 1.1mA	1.1V	_	0.33 X V <sub>CC</sub>		
		I <sub>OL</sub> = 1.7mA			0.41		
	Low-Level Output	I <sub>OL</sub> = 1.9mA	1.65V	_	0.39	_	
$V_{OL}$	Voltage	I <sub>OL</sub> = 2.3mA		_	0.36	V	
		I <sub>OL</sub> = 3.1mA	2.3V	_	0.50		
		I <sub>OL</sub> = 2.7mA		_	0.36		
		I <sub>OL</sub> = 4mA	3V	_	0.50		
II	Input Current	A or B Input, V <sub>I</sub> = GND to 3.6V	0 to 3.6V	_	±0.75	μА	
loz	Z-State Leakage Current	$V_1$ or $V_0 = 0V$ to 3.6V	0 to 3.6V	_	±1.5	μΑ	
l <sub>OFF</sub>	Power Down Leakage Current	$V_1$ or $V_0 = 0V$ to 3.6V	0	_	±3.5	μΑ	
$\Delta I_{OFF}$	Delta Power Down Leakage Current	$V_I$ or $V_O = 0V$ to 3.6V	0V to 0.2V	_	±2.5	μΑ	
Icc	Supply Current	$V_I = GND \text{ or } V_{CC}, I_O = 0$	0.8V to 3.6V	_	3.0	μA	
		Data Input at V <sub>CC</sub> -0.6V OE = GND, I <sub>O</sub> =0A	3.3V	_	75	μА	
Δlcc	Additional Supply Current	OE Input at V <sub>CC</sub> -0.6V Data Input = GND or V <sub>CC</sub> , I <sub>O</sub> =0A	3.3V	_	180	μА	
		OE Input at VCC Data Input = GND to 3.6V, I <sub>O</sub> = 0A	0.8V to 3.6V	-	1	μА	



## Operating and Package Characteristics (@T<sub>A</sub> = +25°C, unless otherwise specified.)

	Parameter	Test Condition	ns	Vcc	Тур	Unit
				0.8V	6.5	
				1.2V ± 0.1V	6.3	
	C <sub>PD</sub> Power Dissipation Capacitance per Gate	f = 1MHz Output Enabled		1.5V ± 0.1V	6.3	
CPD		No Load		1.8V ± 0.15V	6.2	pF
		140 LOAG		2.5V ± 0.2V	6.2	
				3.3V ± 0.3V	6.1	
Cı	Input Capacitance	$V_I = V_{CC}$ or GND	$V_I = V_{CC}$ or GND		1.5	pF
		Output Enabled Vo =	GND	0V	2.9	pF
Co	Output Capacitance Output Disabled V		= GND or	0V or 3.6V	2.1	pF
θја	Thermal Resistance Junction-to-Ambient	X2-DFN1210-8	(Note 9)	_	395	°C/W
θιс	Thermal Resistance Junction-to-Case	X2-DFN1210-8	(Note 9)	_	236	°C/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

Davamatan	From	То	V		T <sub>A</sub> = +25°C	;	$T_A = -40^{\circ}C$	C to +85°C	$T_A = -40^{\circ}C$	to +125°C	l lm!4		
Parameter	Input	Output	V <sub>CC</sub>	Min	Тур	Max	Min	Max	Min	Max	Unit		
		V8.0	_	20.6	_	_	_	_	_				
			1.2V ± 0.1V	2.8	5.5	12.6	2.5	14	2.5	17			
	Α	Y	1.5V ± 0.1V	2.2	3.9	7.3	2.0	7.6	2.0	8.1			
t <sub>PD</sub>	А	ĭ	1.8V ± 0.15V	1.9	3.2	4.1	1.7	6.1	1.7	6.7	ns		
			2.5V ± 0.2V	1.6	2.6	3.6	1.4	4.3	1.4	4.9			
			$3.3V \pm 0.3V$	1.4	2.4	3.1	1.2	3.9	1.2	4.4			
		Y	V8.0	_	71.6	_	_	_	_	_	ns		
			1.2V ± 0.1V	2.8	6.2	14.9	2.6	19.6	2.6	19.8			
	<del></del>		1.5V ± 0.1V	2.3	4.2	8.3	2.2	8.8	2.2	9.2			
t <sub>EN</sub>	ŌĒ	ĭ	1.8V ± 0.15V	1.9	3.3	6.4	1.7	7.1	1.7	7.4			
			2.5V ± 0.2V	1.5	2.4	4.3	1.4	4.6	1.4	4.9			
			3.3V ± 0.3V	1.3	2.0	3.8	1.2	4.2	1.2	4.4			
			V8.0	_	10.3	_	_	_	_	_			
			1.2V ± 0.1V	2.6	4.2	8.9	2.9	9.2	2.9	9.4			
	<del></del>	Y	1.5V ± 0.1V	2.1	3.2	6.4	2.2	6.6	2.2	6.7			
rDIS	t <sub>DIS</sub>	Y	1.8V ± 0.15V	2.1	3.1	5.6	1.7	5.8	1.7	6.1	ns ns		
			2.5V ± 0.2V	1.7	2.4	4.0	1.4	4.3	1.4	4.5			
			3.3V ± 0.3V	2.1	2.8	4.9	1.2	5.0	1.2	5.1			

### $C_L = 10pF$ see Figure 1

Parameter	From	То	V		T <sub>A</sub> = +25°C	;	$T_A = -40^{\circ}C$	C to +85°C	$T_A = -40^{\circ}C$	to +125°C	Unit				
Faranietei	Input	Output	V <sub>CC</sub>	Min	Тур	Max	Min	Max	Min	Max	Offic				
			0.8V	_	24.0	_	_	_	_	_					
		1.2V ± 0.1V	3.2	6.4	14.8	3.0	16.6	3.0	18.3						
	٨	Y	1.5V ± 0.1V	2.1	4.5	8.8	1.9	9.1	1.9	9.4					
t <sub>PD</sub>	Α	r	1.8V ± 0.15V	1.9	3.8	5.5	1.7	6.8	1.7	7.6	ns				
			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					
		Y	0.8V	_	75.3	_	_	_	_	_	ns				
			1.2V ± 0.1V	3.2	7.1	16.9	3.0	22.2	3.0	22.4					
	<del></del>		1.5V ± 0.1V	2.2	4.8	9.6	2.1	10.0	2.1	10.3					
t <sub>EN</sub>	ŌĒ		1.8V ± 0.15V	1.8	3.9	7.1	1.7	7.8	1.7	8.2					
			2.5V ± 0.2V	1.5	2.9	5.0	1.4	5.4	1.4	5.8					
			3.3V ± 0.3V	1.4	2.6	4.7	1.3	4.9	1.3	5.2					
			0.8V	_	12.2	_	_	_	_	_					
			1.2V ± 0.1V	3.5	5.3	10.9	3.3	11.4	3.3	11.6					
	<del></del>	Y	1.5V ± 0.1V	2.2	4.1	8.0	2.1	8.2	2.1	8.5					
(DIS	t <sub>DIS</sub> OE	, r	1.8V ± 0.15V	2.4	4.2	7.1	1.7	7.4	1.7	7.6	ns				
			2.5V ± 0.2V	1.9	3.2	5.1	1.4	5.5	1.4	5.7					
			3.3V ± 0.3V	2.4	4.1	6.8	1.3	7.1	1.3	7.2					



## Switching Characteristics (Cont.)

C<sub>L</sub> = 15pF see Figure 1

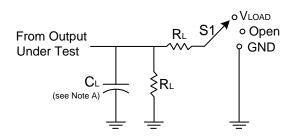
Parameter	From	То	V		T <sub>A</sub> = +25°C	;	T <sub>A</sub> = -40°C	C to +85°C	T <sub>A</sub> = -40°C	to +125°C	Unit				
Parameter	Input	Output	Vcc	Min	Тур	Max	Min	Max	Min	Max	Unit				
			0.8V	_	27.4	_	_	_	_	_					
		1.2V ± 0.1V	3.6	7.2	15.5	3.3	22.4	3.3	22.5						
	Α	Y	1.5V ± 0.1V	3.0	5.1	8.8	2.5	9.8	2.5	10.9					
t <sub>PD</sub>	А	r	1.8V ± 0.15V	2.2	4.3	6.3	2.0	7.9	2.0	8.8	ns				
			2.5V ± 0.2V	2.0	3.7	4.9	1.8	6.0	1.8	6.7					
			$3.3V \pm 0.3V$	2.0	3.5	4.4	1.8	5.4	1.8	6.1					
		Υ	0.8V	_	79.2	_	_	_	_	_	ns				
			1.2V ± 0.1V	3.6	7.8	19.0	3.3	21.8	3.3	22					
	ŌĒ		1.5V ± 0.1V	3.0	5.4	10.6	2.9	11.3	2.9	11.6					
t <sub>EN</sub>	OE	r	1.8V ± 0.15V	2.1	4.3	8.0	2.0	8.8	2.0	9.2					
			2.5V ± 0.2V	1.8	3.4	5.8	1.7	6.2	1.7	6.7					
			$3.3V \pm 0.3V$	1.6	3.1	5.3	1.5	5.9	1.5	6.1					
			0.8V	_	14.9	_	_	_	_	_					
			1.2V ± 0.1V	4.3	6.4	13.9	3.7	15.5	3.7	15.7					
	t <sub>DIS</sub>	Y	1.5V ± 0.1V	3.0	5.0	8.8	2.5	9.7	2.5	9.9					
ıDIS		r	1.8V ± 0.15V	3.1	5.4	8.8	2.0	10.3	2.0	10.5	ns				
		<u> </u>	2.5V ± 0.2V	2.4	4.0	8.2	1.7	8.4	1.7	8.6					
			$3.3V \pm 0.3V$	3.2	5.3	8.6	1.5	9.2	1.5	9.4					

### $C_L = 30pF$ see Figure 1

Davamatar	From	То	V		T <sub>A</sub> = +25°C	;	$T_A = -40^{\circ}C$	C to +85°C	T <sub>A</sub> = -40°C	to +125°C	Unit			
Parameter	Input	Output	V <sub>CC</sub>	Min	Тур	Max	Min	Max	Min	Max	Unit			
			V8.0	_	37.4	_	_	_	_	_				
		1.2V ± 0.1V	4.8	9.5	20.7	4.4	27.6	4.4	27.8					
	Α	Y	1.5V ± 0.1V	4.0	6.7	10.8	3.0	13.0	3.0	14.5	1			
t <sub>PD</sub>	A	ī	1.8V ± 0.15V	2.9	5.6	8.4	2.6	10.3	2.6	11.5	ns			
			2.5V ± 0.2V	2.7	4.8	6.3	2.5	7.8	2.5	8.7				
			$3.3V \pm 0.3V$	2.7	4.6	5.8	2.5	7.0	2.5	8.3				
		Y	V8.0	_	90.6	_	_	_	_	_	ns			
			1.2V ± 0.1V	4.7	10.0	24.5	4.3	26.4	4.3	26.6				
	ŌĒ		1.5V ± 0.1V	3.0	6.9	13.6	3.7	14.4	3.7	15.0				
t <sub>EN</sub>	OE		1.8V ± 0.15V	2.6	5.6	10.3	3.2	11.4	3.2	12.1				
			2.5V ± 0.2V	2.3	4.5	7.6	2.9	8.2	2.9	8.8				
			3.3V ± 0.3V	2.2	4.2	7.5	2.7	8.3	2.7	8.7				
			V8.0	_	51.6	_	_	_	_	_				
			1.2V ± 0.1V	6.0	9.8	16.3	4.7	18.7	4.7	18.9				
1	<u> </u>	Y	1.5V ± 0.1V	4.5	7.7	12.6	3.0	12.8	3.0	13.2	no			
IDIS	t <sub>DIS</sub> OE	ľ	1.8V ± 0.15V	5.2	8.8	13.7	2.6	13.8	2.6	13.9	ns			
		•	2.5V ± 0.2V	3.9	6.4	8.9	2.3	10.8	2.3	12.2				
			$3.3V \pm 0.3V$	5.5	9.0	13.9	2.2	14.0	2.2	15.6				

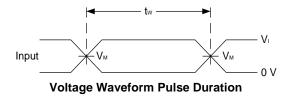


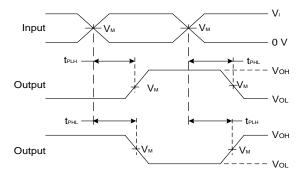
### **Parameter Measurement Information**

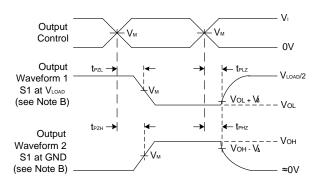


TEST	<b>S</b> 1	$R_L$
t <sub>PLH</sub> /t <sub>PHL</sub>	Open	1ΜΩ
t <sub>PLZ</sub> /t <sub>PZL</sub>	$V_{LOAD}$	5ΚΩ
t <sub>PHZ</sub> /t <sub>PZH</sub>	GND	5ΚΩ

.,	In	puts				
Vcc	VI	t <sub>r</sub> /t <sub>f</sub>	V <sub>M</sub>	V <sub>LOAD</sub>	CL	$oldsymbol{V}\Delta$
0.8V	Vcc	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.1V
1.2V±0.1V	V <sub>CC</sub>	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.1V
1.5V±0.1V	Vcc	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.1V
1.8V±0.15V	V <sub>CC</sub>	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.15V
2.5V±0.2V	Vcc	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.15V
3.3V±0.3V	Vcc	≤3ns	V <sub>CC</sub> /2	2 X V <sub>CC</sub>	5, 10, 15, 30pF	0.3V







Voltage Waveform Enable and Disable Times Low and High Level Enabling

# Voltage Waveform Propagation Delay Times Inverting and Non Inverting Outputs

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  $\leq$  10MHz.
- C. Inputs are measured separately one transition per measurement.
- D. t<sub>PLZ</sub> and t<sub>PHZ</sub> are the same as t<sub>DIS</sub>.
- E.  $t_{\text{PZL}}$  and  $t_{\text{PZH}}$  are the same as  $t_{\text{EN.}}$
- F. t<sub>PLH</sub> and t<sub>PHL</sub> are the same as t<sub>PD</sub>.



### **Marking Information**

### X2-DFN1210-8

(Top View)

 $\underline{XX}$ : Identification Code

Y : Year:0~9

W : Week : A~Z : 1~26 Week

a~z: 27-52 Week

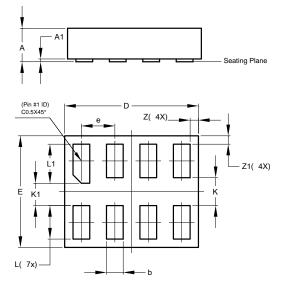
z Represents 52 and 53 Week

X: Week: A~Z: Internal Code

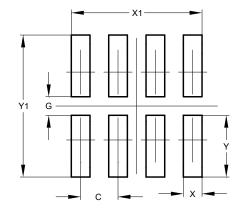
Part Number	Package	Identification Code	
74AUP2G126RA3-7	X2-DFN1210-8	KT	

## 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	Тур	
Α	-	0.35	0.30	
<b>A</b> 1	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	
е	-	-	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	
<b>Z</b> 1	0.050	0.100	0.075	
All Dimensions in mm				



Dimensions	Value (in mm)
С	0.300
G	0.150
Х	0.150
X1	1.050
Υ	0.500
V1	1 150



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