

Description

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

The 74AUP2G34 is composed of two buffers with standard push-pull outputs designed for operation over a power supply range of 0.8V to 3.6V. 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. The gates perform the positive Boolean function:

$$Y = A$$

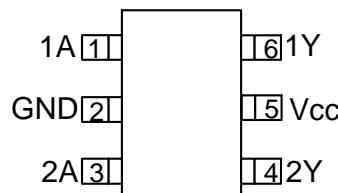
Features

- Advanced Ultra Low Power (AUP) CMOS
- Supply Voltage Range from 0.8V to 3.6V
- $\pm 4\text{mA}$ Output Drive at 3.0V
- Low Static Power Consumption
 - $I_{CC} < 0.9\mu\text{A}$
- Low Dynamic Power Consumption
 - $C_{PD} = 6\text{pF}$ Typical at 3.6V
- Schmitt Trigger Action at All Inputs Make the Circuit Tolerant for Slower Input Rise and Fall Time. The Hysteresis is Typically 250mV at $V_{CC} = 3.0\text{V}$
- 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
 - DFN1410 denoted as X2-DFN1410-6
 - DFN1010 denoted as X2-DFN1010-6
 - DFN0910 denoted as X2-DFN0910-6
- **Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 2)**
- **Halogen and Antimony Free. "Green" Device (Note 3)**

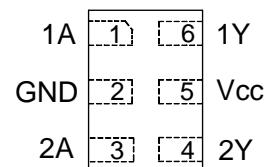
- Notes:
1. No purposely added lead. Fully EU Directive 2002/95/EC (RoHS) & 2011/65/EU (RoHS 2) compliant.
 2. See http://www.diodes.com/quality/lead_free.html for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
 3. Halogen- and Antimony-free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

Pin Assignments

(Top View)



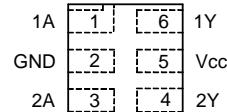
(Top View)



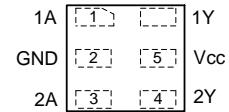
X2-DFN1410-6

SOT363

(Top View)



(Top View)



X2-DFN1010-6

X2-DFN0910-6

Applications

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

Ordering Information

74 AUP2G 34 XXX -7			
Logic Device	Function	Package	Packing
74 : Logic Prefix AUP : 0.8 to 3.6 V Logic Family 2G : Dual Gate	34: 1-Input Buffer/ Driver	DW : SOT363 FW3 : X2-DFN0910-6 FW4 : X2-DFN1010-6 FZ4 : X2- DFN1410-6	-7 : 7" Tape & Reel

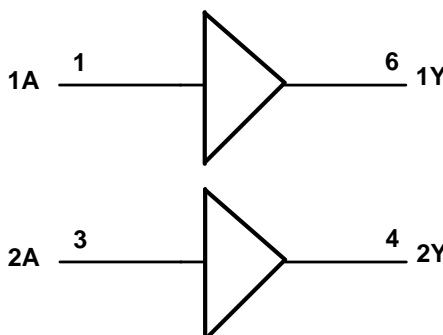
Part Number	Package Code	Package (Notes 4 & 5)	Package Size	7" Tape and Reel	
				Quantity	Part Number Suffix
74AUP2G34DW-7	DW	SOT363	2.0mm X 2.0mm X 1.1mm 0.65 mm lead pitch	3000/Tape & Reel	-7
74AUP2G34FW3-7	FW3	X2-DFN0910-6	0.9mm X 1.0mm X 0.35mm 0.35 mm pad pitch	5000/Tape & Reel	-7
74AUP2G34FW4-7	FW4	X2-DFN1010-6	1.0mm X 1.0mm X 0.4mm 0.35 mm pad pitch	5000/Tape & Reel	-7
74AUP2G34FZ4-7	FZ4	X2-DFN1410-6	1.4mm X 1.0mm X 0.4mm 0.5 mm pad pitch	5000/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.	Function
1A	1	Data Input
GND	2	Ground
2A	3	Data Input
2Y	4	Data Output
Vcc	5	Supply Voltage
1Y	6	Data Output

Logic Diagram



Function Table

Inputs	Outputs
A	Y
H	H
L	L

Absolute Maximum Ratings (Notes 6,7) (@ $T_A = +25^\circ\text{C}$, unless otherwise specified.)

Symbol	Parameter	Rating	Unit
ESD HBM	Human Body Model ESD Protection	2	kV
ESD CDM	Charged Device Model ESD Protection	1	kV
ESD MM	Machine Model ESD Protection	200	V
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	$^\circ\text{C}$
T_{STG}	Storage Temperature	-65 to +150	$^\circ\text{C}$

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

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

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

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

Symbol	Parameter	Test Conditions	V _{CC}	T _A = +25°C		T _A = -40 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 Input 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	0V to 3.6V	—	± 0.1	—	± 0.5	µA
I _{OFF}	Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0V	—	± 0.2	—	± 0.6	µA
ΔI _{OFF}	Delta Power Down Leakage Current	V _I or V _O = 0V to 3.6V	0V to 0.2V	—	± 0.2	—	± 0.6	µA
I _{CC}	Supply Current	V _I = GND or V _{CC} , I _O = 0	0.8V to 3.6V	—	0.5	—	0.9	µA
ΔI _{CC}	Additional Supply Current	One input at V _{CC} – 0.6V Other input at V _{CC} or GND	3.3V	—	40	—	50	µA

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

Symbol	Parameter	Test Conditions	V_{CC}	$T_A = -40 \text{ to } +125^\circ\text{C}$		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	$I_{OH} = -20\mu\text{A}$	0.8V to 3.6V	$V_{CC} - 0.11$	—	V
		$I_{OH} = -1.1\text{mA}$	1.1V	0.6 X V_{CC}	—	
		$I_{OH} = -1.7\text{mA}$	1.4V	0.93	—	
		$I_{OH} = -1.9\text{mA}$	1.65V	1.17	—	
		$I_{OH} = -2.3\text{mA}$	2.3V	1.77	—	
		$I_{OH} = -3.1\text{mA}$		1.67	—	
		$I_{OH} = -2.7\text{mA}$	3V	2.40	—	
		$I_{OH} = -4\text{mA}$		2.30	—	
V_{OL}	Low-Level Input Voltage	$I_{OL} = 20\mu\text{A}$	0.8V to 3.6V	—	0.11	V
		$I_{OL} = 1.1\text{mA}$	1.1V	—	0.33 X V_{CC}	
		$I_{OL} = 1.7\text{mA}$	1.4V	—	0.41	
		$I_{OL} = 1.9\text{mA}$	1.65V	—	0.39	
		$I_{OL} = 2.3\text{mA}$	2.3V	—	0.36	
		$I_{OL} = 3.1\text{mA}$		—	0.50	
		$I_{OL} = 2.7\text{mA}$	3V	—	0.36	
		$I_{OL} = 4\text{mA}$		—	0.50	
I_I	Input Current	A or B Input $V_I = \text{GND to } 3.6\text{V}$	0V to 3.6V	—	± 0.75	μA
I_{OFF}	Power Down Leakage Current	V_I or $V_O = 0\text{V to } 3.6\text{V}$	0V	—	± 1.0	μA
ΔI_{OFF}	Delta Power Down Leakage Current	V_I or $V_O = 0\text{V to } 3.6\text{V}$	0V to 0.2V	—	± 2.5	μA
I_{CC}	Supply Current	$V_I = \text{GND or } V_{CC}, I_O = 0$	0.8V to 3.6V	—	1.4	μA
ΔI_{CC}	Additional Supply Current	Input at $V_{CC} - 0.6\text{V}$ Other input at V_{CC} or GND	3.3V	—	75	μA

Operating and Package Characteristics
 $T_A = +25^\circ\text{C}$

Parameter		Test Conditions	V_{CC}	Typ	Unit
C_{pd}	Power dissipation capacitance	$f = 1\text{MHz}$ No Load	0.8V	5.1	pF
			$1.2V \pm 0.1V$	5.2	
			$1.5V \pm 0.1V$	5.2	
			$1.8V \pm 0.15V$	5.5	
			$2.5V \pm 0.2V$	5.7	
			$3.3V \pm 0.3V$	6.0	
C_I	Input Capacitance	$V_I = V_{CC}$ or GND	0V or 3.3V	2.0	pF
C_O	Output Capacitance	$V_O = V_{CC}$ or GND	0V	2.0	pF

Switching Characteristics

$C_L = 5\text{pF}$ see Figure 1

Parameter	From Input	TO OUTPUT	V _{CC}	$T_A = +25^\circ\text{C}$			$T_A = -40 \text{ to } +85^\circ\text{C}$		$T_A = -40 \text{ to } +125^\circ\text{C}$		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	14.9	—	—	—	—	—	ns
			1.2V $\pm 0.1\text{V}$	2.6	4.7	10.1	2.0	11.1	2.0	12.2	
			1.5V $\pm 0.1\text{V}$	2.1	3.4	5.7	1.6	6.5	1.6	7.2	
			1.8V $\pm 0.15\text{V}$	1.8	2.9	4.5	1.4	5.2	1.4	5.8	
			2.5V $\pm 0.2\text{V}$	1.5	2.3	3.5	1.2	4.2	1.2	4.6	
			3.3V $\pm 0.3\text{V}$	1.4	2.1	3.2	1.0	3.8	1.0	4.2	

$C_L = 10\text{pF}$ see Figure 1

Parameter	From Input	TO OUTPUT	V _{CC}	$T_A = +25^\circ\text{C}$			$T_A = -40 \text{ to } +85^\circ\text{C}$		$T_A = -40 \text{ to } +125^\circ\text{C}$		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	18.4	—	—	—	—	—	ns
			1.2V $\pm 0.1\text{V}$	3.2	5.6	11.8	2.3	12.8	2.3	13.5	
			1.5V $\pm 0.1\text{V}$	2.6	4.1	6.7	1.9	7.7	1.9	8.5	
			1.8V $\pm 0.15\text{V}$	2.3	3.4	5.3	1.7	6.2	1.7	6.9	
			2.5V $\pm 0.2\text{V}$	2.0	2.9	4.2	1.5	5.0	1.5	5.5	
			3.3V $\pm 0.3\text{V}$	1.7	2.6	3.8	1.4	4.6	1.4	5.1	

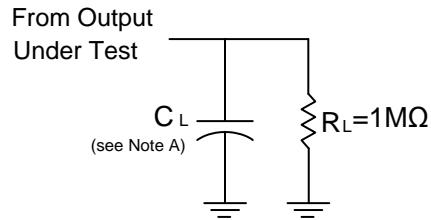
$C_L = 15\text{pF}$ see Figure 1

Parameter	From Input	TO OUTPUT	V _{CC}	$T_A = +25^\circ\text{C}$			$T_A = -40 \text{ to } +85^\circ\text{C}$		$T_A = -40 \text{ to } +125^\circ\text{C}$		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	21.9	—	—	—	—	—	ns
			1.2V $\pm 0.1\text{V}$	3.6	6.4	13.8	2.6	15.7	2.6	15.9	
			1.5V $\pm 0.1\text{V}$	3.0	4.6	7.6	2.2	8.9	2.2	9.8	
			1.8V $\pm 0.15\text{V}$	2.6	3.9	6.0	2.0	7.2	2.0	7.9	
			2.5V $\pm 0.2\text{V}$	2.3	3.3	4.8	1.8	5.7	1.8	6.3	
			3.3V $\pm 0.3\text{V}$	1.8	3.1	4.2	1.6	5.0	1.6	5.5	

$C_L = 30\text{pF}$ see Figure 1

Parameter	From Input	TO OUTPUT	V _{CC}	$T_A = +25^\circ\text{C}$			$T_A = -40 \text{ to } +85^\circ\text{C}$		$T_A = -40 \text{ to } +125^\circ\text{C}$		Unit
				Min	Typ	Max	Min	Max	Min	Max	
t _{pd}	A	Y	0.8V	—	32.1	—	—	—	—	—	ns
			1.2V $\pm 0.1\text{V}$	4.8	8.7	16.3	3.6	18.9	3.6	20.8	
			1.5V $\pm 0.1\text{V}$	4.0	6.2	10.3	3.4	12.2	3.4	13.4	
			1.8V $\pm 0.15\text{V}$	3.6	5.2	8.1	3.2	9.8	3.2	10.8	
			2.5V $\pm 0.2\text{V}$	2.4	4.4	6.4	2.3	7.7	2.3	8.5	
			3.3V $\pm 0.3\text{V}$	2.2	4.2	5.6	2.1	6.5	2.1	7.2	

Parameter Measurement Information



V _{cc}	Inputs		V _M	C _L
	V _I	t _{r/t_f}		
0.8V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF
1.2V±0.1V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF
1.5V±0.1V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF
1.8V±0.15V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF
2.5V±0.2V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF
3.3V±0.3V	V _{cc}	≤3ns	V _{cc} /2	5, 10, 15, 30pF

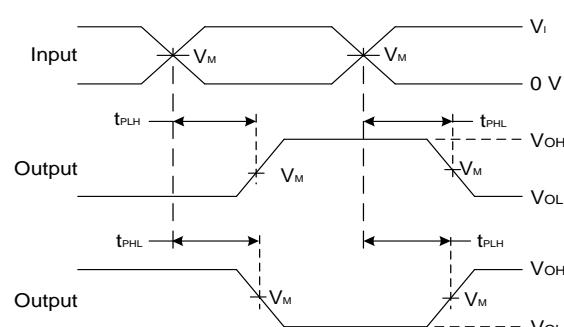
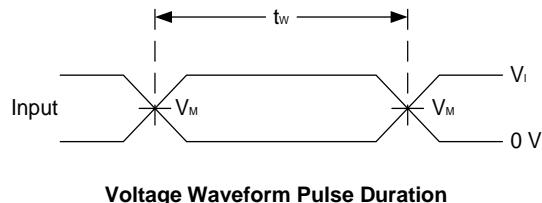
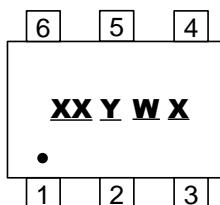


Figure 1 Load Circuit and Voltage Waveforms

- 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_{PLH} and t_{PHL} are the same as t_{PD}.

Marking Information

(1) SOT363

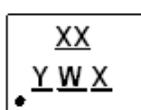


XX : Identification code
Y : Year 0~9
W : Week : A~Z : 1~26 week;
 a~z : 27~52 week; z represents
 52 and 53 week
X : A~Z : Internal Code

Part Number	Package	Identification Code
74AUP2G34DW-7	SOT363	ST

(2) X2-DFN1410-6, X2-DFN1010-6, X2-DFN0910-6

(Top View)

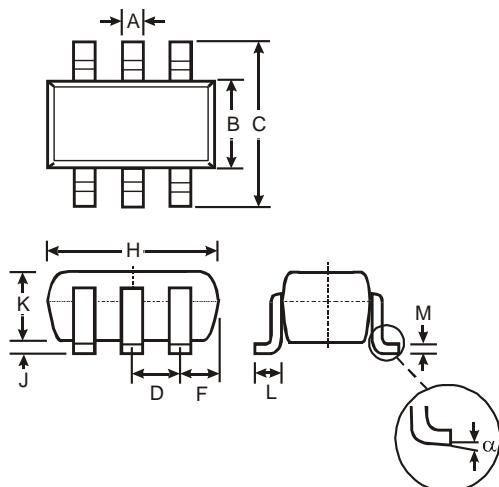


XX : Identification Code
Y : Year : 0~9
W : Week : A~Z : 1~26 week;
 a~z : 27~52 week; z represents
 52 and 53 week
X : A~Z : Internal code

Part Number	Package	Identification Code
74AUP2G34FZ4-7	X2-DFN1410-6	RT
74AUP2G34FW4-7	X2-DFN1010-6	ST
74AUP2G34FW3-7	X2-DFN0910-6	MT

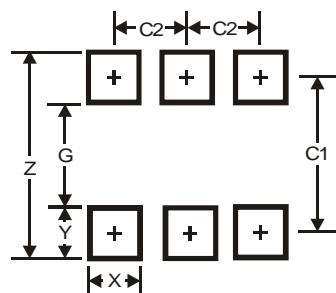
SOT363 Package Outline Dimensions and Suggested Pad Layout

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



SOT363			
Dim	Min	Max	Typ
A	0.10	0.30	0.25
B	1.15	1.35	1.30
C	2.00	2.20	2.10
D		0.65	Typ
F	0.40	0.45	0.425
H	1.80	2.20	2.15
J	0	0.10	0.05
K	0.90	1.00	1.00
L	0.25	0.40	0.30
M	0.10	0.22	0.11
α	0°	8°	-

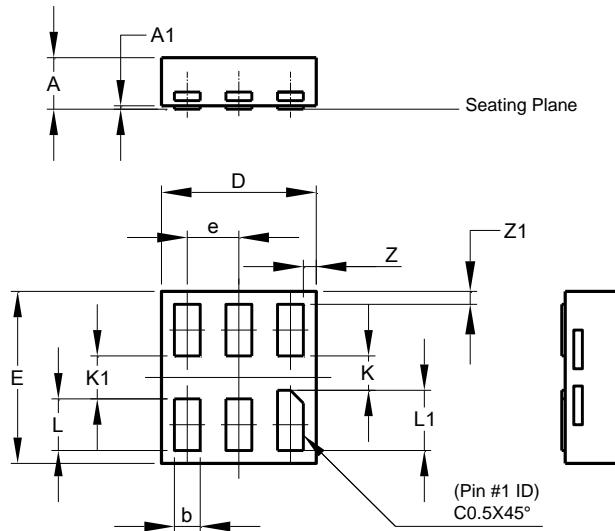
All Dimensions in mm



Dimensions	Value (in mm)
Z	2.5
G	1.3
X	0.42
Y	0.6
C1	1.9
C2	0.65

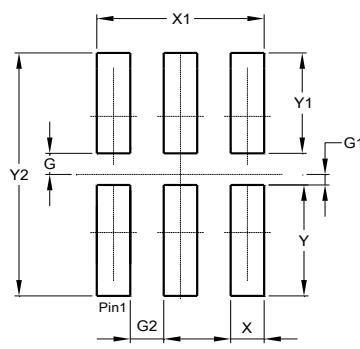
X2-DFN0910-6 Package Outline Dimensions and Suggested Pad Layout

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



X2-DFN0910-6			
Dim	Min	Max	Typ
A	-	0.35	0.30
A1	0	0.03	0.02
b	0.10	0.20	0.15
D	0.85	0.95	0.90
E	0.95	1.05	1.00
e	-	-	0.30
K	0.20	-	-
K1	0.25	-	-
L	0.25	0.35	0.30
L1	0.30	0.40	0.35
Z	-	-	0.075
Z1	-	-	0.075

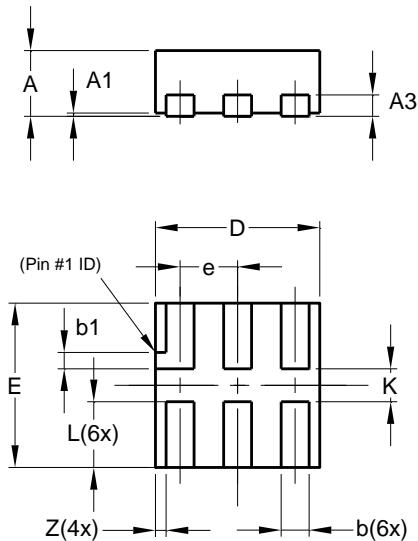
All Dimensions in mm



Dimensions	Value (in mm)
G	0.100
G1	0.050
G2	0.150
X	0.150
X1	0.750
Y	0.525
Y1	0.475
Y2	1.150

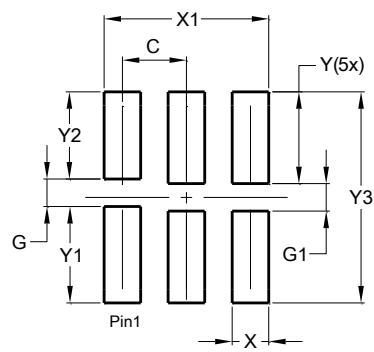
X2-DFN1010-6 Package Outline Dimensions and Suggested Pad Layout

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



X2-DFN1010-6			
Dim	Min	Max	Typ
A	—	0.40	0.39
A1	0.00	0.05	0.02
A3	—	—	0.13
b	0.14	0.20	0.17
b1	0.05	0.15	0.10
D	0.95	1.05	1.00
E	0.95	1.05	1.00
e	—	—	0.35
L	0.35	0.45	0.40
K	0.15	—	—
Z	—	—	0.065

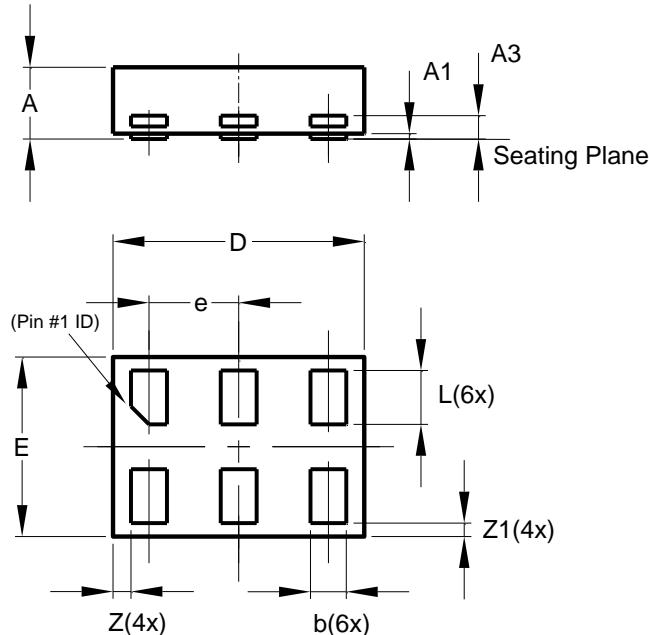
All Dimensions in mm



Dimensions	Value (in mm)
C	0.350
G	0.150
G1	0.150
X	0.200
X1	0.900
Y	0.500
Y1	0.525
Y2	0.475
Y3	1.150

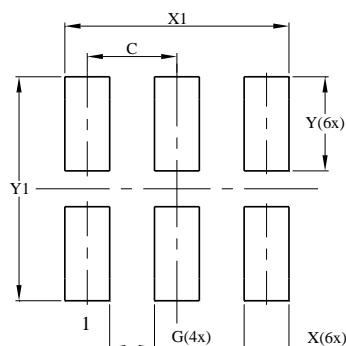
X2-DFN1410-6 Package Outline Dimensions and Suggested Pad Layout

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



X2-DFN1410-6			
Dim	Min	Max	Typ
A	—	0.40	0.39
A1	0.00	0.05	0.02
A3	—	—	0.13
b	0.15	0.25	0.20
D	1.35	1.45	1.40
E	0.95	1.05	1.00
e	—	—	0.50
L	0.25	0.35	0.30
Z	—	—	0.10
Z1	0.045	0.105	0.075

All Dimensions in mm



Dimensions	Value (in mm)
C	0.500
G	0.250
X	0.250
X1	1.250
Y	0.525
Y1	1.250

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ООО "ЛайфЭлектроникс"

"LifeElectronics" LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибуторских договоров

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помочь разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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