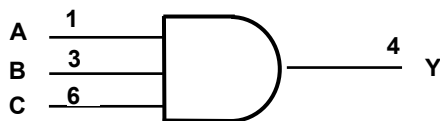


## Pin Descriptions

| Pin Name        | Function       |
|-----------------|----------------|
| A               | Data Input     |
| GND             | Ground         |
| B               | Data Input     |
| Y               | Data Output    |
| V <sub>CC</sub> | Supply Voltage |
| C               | Data Input     |

## Logic Diagram



## Function Table

| Inputs |   |   | Output |
|--------|---|---|--------|
| A      | B | C | Y      |
| H      | H | H | H      |
| L      | X | X | L      |
| X      | L | X | L      |
| X      | X | L | L      |

## Absolute Maximum Ratings (Note 4) (@T<sub>A</sub> = +25°C, unless otherwise specified.)

| Symbol                   | Parameter                                                             | Rating                       | Unit |
|--------------------------|-----------------------------------------------------------------------|------------------------------|------|
| ESD HBM                  | Human Body Model ESD Protection                                       | 2                            | kV   |
| ESD MM                   | Machine Model ESD Protection                                          | 200                          | V    |
| V <sub>CC</sub>          | Supply Voltage Range                                                  | -0.5 to 6.5                  | V    |
| V <sub>I</sub>           | Input Voltage Range                                                   | -0.5 to 6.5                  | V    |
| V <sub>O</sub>           | Voltage applied to output in high impedance or I <sub>OFF</sub> state | -0.5 to 6.5                  | V    |
| V <sub>O</sub>           | Voltage applied to output in high or low state                        | -0.3 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                                                  | -50                          | mA   |
| I <sub>O</sub>           | Continuous output current                                             | ±50                          | mA   |
| I <sub>CC MAX CONT</sub> | Continuous current through V <sub>CC</sub> or GND                     | ±100                         | mA   |
| T <sub>J</sub>           | Operating Junction Temperature                                        | -40 to +150                  | °C   |
| T <sub>STG</sub>         | Storage Temperature                                                   | -65 to +150                  | °C   |

Note: 4. 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.

**Recommended Operating Conditions** (Note 5) (@T<sub>A</sub> = +25°C, unless otherwise specified.)

| Symbol          | Parameter                          |                                             | Min                    | Max                    | Unit |
|-----------------|------------------------------------|---------------------------------------------|------------------------|------------------------|------|
| V <sub>CC</sub> | Operating Voltage                  | Operating                                   | 1.65                   | 5.5                    | V    |
|                 |                                    | Data Retention Only                         | 1.5                    |                        | V    |
| V <sub>IH</sub> | High-Level Input Voltage           | V <sub>CC</sub> = 1.65V to 1.95V            | 0.65 X V <sub>CC</sub> |                        | V    |
|                 |                                    | V <sub>CC</sub> = 2.3V to 2.7V              | 1.7                    |                        |      |
|                 |                                    | V <sub>CC</sub> = 3V to 3.6V                | 2                      |                        |      |
|                 |                                    | V <sub>CC</sub> = 4.5V to 5.5V              | 0.7 X V <sub>CC</sub>  |                        |      |
| V <sub>IL</sub> | Low-Level Input Voltage            | V <sub>CC</sub> = 1.65V to 1.95V            |                        | 0.35 X V <sub>CC</sub> | V    |
|                 |                                    | V <sub>CC</sub> = 2.3V to 2.7V              |                        | 0.7                    |      |
|                 |                                    | V <sub>CC</sub> = 3V to 3.6V                |                        | 0.8                    |      |
|                 |                                    | V <sub>CC</sub> = 4.5V to 5.5V              |                        | 0.3 X V <sub>CC</sub>  |      |
| V <sub>I</sub>  | Input Voltage                      |                                             | 0                      | 5.5                    | V    |
| V <sub>O</sub>  | Output Voltage                     |                                             | 0                      | V <sub>CC</sub>        | V    |
| I <sub>OH</sub> | High-Level Output Current          | V <sub>CC</sub> = 1.65V                     |                        | -4                     | mA   |
|                 |                                    | V <sub>CC</sub> = 2.3V                      |                        | -8                     |      |
|                 |                                    | V <sub>CC</sub> = 3V                        |                        | -16                    |      |
|                 |                                    | V <sub>CC</sub> = 4.5V                      |                        | -24                    |      |
| I <sub>OL</sub> | Low-Level Output Current           | V <sub>CC</sub> = 1.65V                     |                        | 4                      | mA   |
|                 |                                    | V <sub>CC</sub> = 2.3V                      |                        | 8                      |      |
|                 |                                    | V <sub>CC</sub> = 3V                        |                        | 16                     |      |
|                 |                                    | V <sub>CC</sub> = 4.5V                      |                        | 24                     |      |
| Δt/ΔV           | Input Transition Rise or Fall Rate | V <sub>CC</sub> = 1.8V ± 0.15V, 2.5V ± 0.2V |                        | 20                     | ns/V |
|                 |                                    | V <sub>CC</sub> = 3.3V ± 0.3V               |                        | 10                     |      |
|                 |                                    | V <sub>CC</sub> = 5V ± 0.5V                 |                        | 5                      |      |
| T <sub>A</sub>  | Operating Free-Air Temperature     |                                             | -40                    | +125                   | °C   |

Note: 5. Unused inputs should be held at V<sub>CC</sub> or Ground.

**Electrical Characteristics**  $T_A = -40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  (All typical values are at  $V_{CC} = 3.3\text{V}$ ,  $T_A = +25^{\circ}\text{C}$ , unless otherwise specified.)

| Symbol          | Parameter                  | Test Conditions                       | $V_{CC}$      | Min            | Typ | Max      | Unit          |
|-----------------|----------------------------|---------------------------------------|---------------|----------------|-----|----------|---------------|
| $V_{OH}$        | High-Level Output Voltage  | $I_{OH} = -100\mu\text{A}$            | 1.65V to 5.5V | $V_{CC} - 0.1$ |     |          | V             |
|                 |                            | $I_{OH} = -4\text{mA}$                | 1.65V         | 1.2            |     |          |               |
|                 |                            | $I_{OH} = -8\text{mA}$                | 2.3V          | 1.9            |     |          |               |
|                 |                            | $I_{OH} = -16\text{mA}$               | 3V            | 2.4            |     |          |               |
|                 |                            | $I_{OH} = -24\text{mA}$               |               | 2.3            |     |          |               |
|                 |                            | $I_{OH} = -32\text{mA}$               | 4.5V          | 3.8            |     |          |               |
| $V_{OL}$        | Low-Level Output Voltage   | $I_{OL} = 100\mu\text{A}$             | 1.65V to 5.5V |                |     | 0.1      | V             |
|                 |                            | $I_{OL} = 4\text{mA}$                 | 1.65V         |                |     | 0.45     |               |
|                 |                            | $I_{OL} = 8\text{mA}$                 | 2.3V          |                |     | 0.3      |               |
|                 |                            | $I_{OL} = 16\text{mA}$                | 3V            |                |     | 0.4      |               |
|                 |                            | $I_{OL} = 24\text{mA}$                |               |                |     | 0.55     |               |
|                 |                            | $I_{OL} = 32\text{mA}$                | 4.5V          |                |     | 0.55     |               |
| $I_I$           | Input Current              | $V_I = 5.5\text{V}$ or GND            | 0 to 5.5V     |                |     | $\pm 5$  | $\mu\text{A}$ |
| $I_{OFF}$       | Power Down Leakage Current | $V_I$ or $V_O = 5.5\text{V}$          | 0             |                |     | $\pm 10$ | $\mu\text{A}$ |
| $I_{CC}$        | Supply Current             | $V_I = 5.5\text{V}$ of GND, $I_O = 0$ | 1.65V to 5.5V |                |     | 10       | $\mu\text{A}$ |
| $\Delta I_{CC}$ | Additional Supply Current  | Input at $V_{CC} - 0.6\text{V}$       | 3V to 5.5V    |                |     | 500      | $\mu\text{A}$ |

**Electrical Characteristics**  $T_A = -40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (All typical values are at  $V_{CC} = 3.3\text{V}$ ,  $T_A = +25^{\circ}\text{C}$ , unless otherwise specified.)

| Symbol          | Parameter                  | Test Conditions                       | $V_{CC}$      | Min            | Typ | Max      | Unit          |
|-----------------|----------------------------|---------------------------------------|---------------|----------------|-----|----------|---------------|
| $V_{OH}$        | High-Level Output Voltage  | $I_{OH} = -100\mu\text{A}$            | 1.65V to 5.5V | $V_{CC} - 0.1$ |     |          | V             |
|                 |                            | $I_{OH} = -4\text{mA}$                | 1.65V         | 0.95           |     |          |               |
|                 |                            | $I_{OH} = -8\text{mA}$                | 2.3V          | 1.7            |     |          |               |
|                 |                            | $I_{OH} = -16\text{mA}$               | 3V            | 1.9            |     |          |               |
|                 |                            | $I_{OH} = -24\text{mA}$               |               | 2.0            |     |          |               |
|                 |                            | $I_{OH} = -32\text{mA}$               | 4.5V          | 3.4            |     |          |               |
| $V_{OL}$        | Low-Level Output Voltage   | $I_{OL} = 100\mu\text{A}$             | 1.65V to 5.5V |                |     | 0.1      | V             |
|                 |                            | $I_{OL} = 4\text{mA}$                 | 1.65V         |                |     | 0.70     |               |
|                 |                            | $I_{OL} = 8\text{mA}$                 | 2.3V          |                |     | 0.45     |               |
|                 |                            | $I_{OL} = 16\text{mA}$                | 3V            |                |     | 0.60     |               |
|                 |                            | $I_{OL} = 24\text{mA}$                |               |                |     | 0.80     |               |
|                 |                            | $I_{OL} = 32\text{mA}$                | 4.5V          |                |     | 0.80     |               |
| $I_I$           | Input Current              | $V_I = 5.5\text{V}$ or GND            | 0 to 5.5V     |                |     | $\pm 20$ | $\mu\text{A}$ |
| $I_{OFF}$       | Power Down Leakage Current | $V_I$ or $V_O = 5.5\text{V}$          | 0             |                |     | $\pm 20$ | $\mu\text{A}$ |
| $I_{CC}$        | Supply Current             | $V_I = 5.5\text{V}$ of GND, $I_O = 0$ | 1.65V to 5.5V |                |     | 40       | $\mu\text{A}$ |
| $\Delta I_{CC}$ | Additional Supply Current  | Input at $V_{CC} - 0.6\text{V}$       | 3V to 5.5V    |                |     | 5000     | $\mu\text{A}$ |

**Package Characteristics** (All typical values are at  $V_{CC} = 3.3V$ ,  $T_A = +25^{\circ}C$ , unless otherwise specified.)

| Symbol        | Parameter                              | Test Conditions                | $V_{CC}$ | Min | Typ | Max | Unit          |
|---------------|----------------------------------------|--------------------------------|----------|-----|-----|-----|---------------|
| $C_I$         | Input Capacitance                      | $V_I = V_{CC} - \text{or GND}$ | 3.3      |     | 3.5 |     | pF            |
| $\theta_{JA}$ | Thermal Resistance Junction-to-Ambient | SOT26                          | (Note 6) |     | 204 |     | $^{\circ}C/W$ |
|               |                                        | SOT363                         |          |     | 371 |     |               |
|               |                                        | X2-DFN1410-6                   |          |     | 430 |     |               |
|               |                                        | X2-DFN1010-6                   |          |     | 510 |     |               |
| $\theta_{JC}$ | Thermal Resistance Junction-to-Case    | SOT26                          | (Note 6) |     | 52  |     | $^{\circ}C/W$ |
|               |                                        | SOT363                         |          |     | 143 |     |               |
|               |                                        | X2-DFN1410-6                   |          |     | 190 |     |               |
|               |                                        | X2-DFN1010-6                   |          |     | 250 |     |               |

Note: 6. Test condition for SOT26, SOT363, X2-DFN1410-6 and X2-DFN1010-6 : Device mounted on FR-4 substrate PC board, 2oz copper, with minimum recommended pad layout.

**Switching Characteristics**

$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$ ,  $C_L = 15pF$  (see Figure 1)

| Parameter | From (Input) | TO (OUTPUT) | $V_{CC} = 1.8V \pm 0.15V$ |      | $V_{CC} = 2.5V \pm 0.2V$ |     | $V_{CC} = 3.3V \pm 0.3V$ |     | $V_{CC} = 5V \pm 0.5V$ |     | Unit |
|-----------|--------------|-------------|---------------------------|------|--------------------------|-----|--------------------------|-----|------------------------|-----|------|
|           |              |             | Min                       | Max  | Min                      | Max | Min                      | Max | Min                    | Max |      |
| $t_{pd}$  | Any          | Y           | 1.0                       | 15.2 | 0.7                      | 5.6 | 0.7                      | 4.1 | 0.7                    | 3.1 | ns   |

$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$ ,  $C_L = 30 \text{ or } 50pF$  (see Figure 2)

| Parameter | From (Input) | TO (OUTPUT) | $V_{CC} = 1.8V \pm 0.15V$ |      | $V_{CC} = 2.5V \pm 0.2V$ |     | $V_{CC} = 3.3V \pm 0.3V$ |     | $V_{CC} = 5V \pm 0.5V$ |     | Unit |
|-----------|--------------|-------------|---------------------------|------|--------------------------|-----|--------------------------|-----|------------------------|-----|------|
|           |              |             | Min                       | Max  | Min                      | Max | Min                      | Max | Min                    | Max |      |
| $t_{pd}$  | Any          | Y           | 1.0                       | 17.2 | 0.7                      | 6.2 | 0.7                      | 4.9 | 0.7                    | 3.5 | ns   |

$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$ ,  $C_L = 15 pF$  (see Figure 1)

| Parameter | From (Input) | TO (OUTPUT) | $V_{CC} = 1.8V \pm 0.15V$ |      | $V_{CC} = 2.5V \pm 0.2V$ |     | $V_{CC} = 3.3V \pm 0.3V$ |     | $V_{CC} = 5V \pm 0.5V$ |     | Unit |
|-----------|--------------|-------------|---------------------------|------|--------------------------|-----|--------------------------|-----|------------------------|-----|------|
|           |              |             | Min                       | Max  | Min                      | Max | Min                      | Max | Min                    | Max |      |
| $t_{pd}$  | Any          | Y           | 1.0                       | 18.3 | 0.7                      | 6.7 | 0.7                      | 4.9 | 0.7                    | 3.7 | ns   |

$T_A = -40^{\circ}C \text{ to } +125^{\circ}C$ ,  $C_L = 30 \text{ or } 50pF$  (see Figure 2)

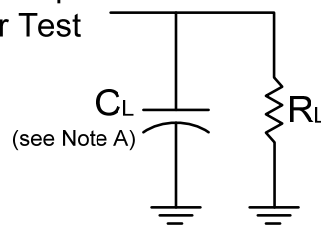
| Parameter | From (Input) | TO (OUTPUT) | $V_{CC} = 1.8V \pm 0.15V$ |      | $V_{CC} = 2.5V \pm 0.2V$ |     | $V_{CC} = 3.3V \pm 0.3V$ |     | $V_{CC} = 5V \pm 0.5V$ |     | Unit |
|-----------|--------------|-------------|---------------------------|------|--------------------------|-----|--------------------------|-----|------------------------|-----|------|
|           |              |             | Min                       | Max  | Min                      | Max | Min                      | Max | Min                    | Max |      |
| $t_{pd}$  | Any          | Y           | 1.0                       | 20.7 | 0.7                      | 7.5 | 0.7                      | 5.9 | 0.7                    | 4.2 | ns   |

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

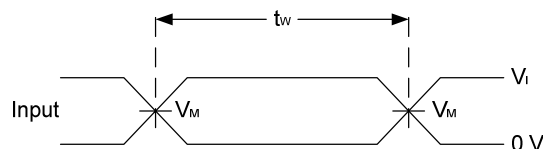
| Parameter       |                               | Test Conditions | V <sub>CC</sub> = 1.8V | V <sub>CC</sub> = 2.5V | V <sub>CC</sub> = 3.3V | V <sub>CC</sub> = 5V | Unit |
|-----------------|-------------------------------|-----------------|------------------------|------------------------|------------------------|----------------------|------|
|                 |                               |                 | Typ                    | Typ                    | Typ                    | Typ                  |      |
| C <sub>pd</sub> | Power dissipation capacitance | f = 10 MHz      | 17                     | 18                     | 19                     | 22                   | pF   |

## Parameter Measurement Information

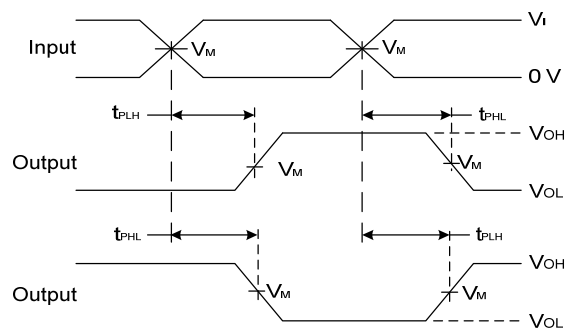
From Output  
Under Test



| V <sub>CC</sub> | Inputs          |                                | V <sub>M</sub>     | C <sub>L</sub> | R <sub>L</sub> |
|-----------------|-----------------|--------------------------------|--------------------|----------------|----------------|
|                 | V <sub>I</sub>  | t <sub>r</sub> /t <sub>f</sub> |                    |                |                |
| 1.8V±0.15V      | V <sub>CC</sub> | ≤2ns                           | V <sub>CC</sub> /2 | 15pF           | 1MΩ            |
| 2.5V±0.2V       | V <sub>CC</sub> | ≤2ns                           | V <sub>CC</sub> /2 | 15pF           | 1MΩ            |
| 3.3V±0.3V       | 3V              | ≤2.5ns                         | 1.5V               | 15pF           | 1MΩ            |
| 5V±0.5V         | V <sub>CC</sub> | ≤2.5ns                         | V <sub>CC</sub> /2 | 15pF           | 1MΩ            |



**Voltage Waveform  
Pulse Duration**



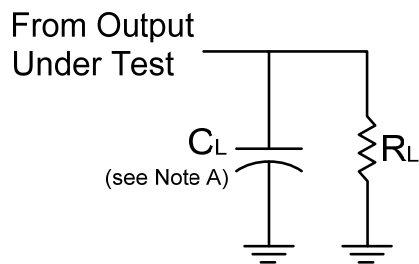
**Voltage Waveform  
Propagation Delay Times  
Inverting and Non Inverting Outputs**

Notes:

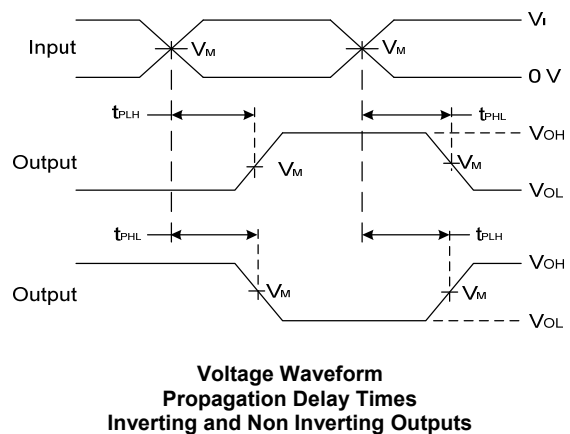
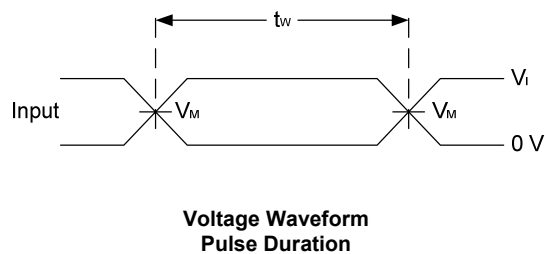
- A. Includes test lead and test apparatus capacitance.
- B. All pulses are supplied at pulse repetition rate ≤ 10MHz
- C. Inputs are measured separately one transition per measurement
- D. t<sub>PLH</sub> and t<sub>PHL</sub> are the same as t<sub>PD</sub>

**Figure 1 Load Circuit and Voltage Waveforms**

## Parameter Measurement Information (cont.)



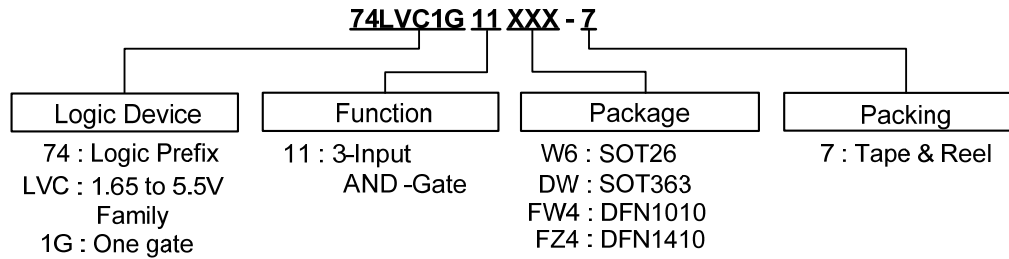
| $V_{CC}$         | Inputs   |              | $V_M$      | $C_L$ | $R_L$        |
|------------------|----------|--------------|------------|-------|--------------|
|                  | $V_I$    | $t_r/t_f$    |            |       |              |
| $1.8V \pm 0.15V$ | $V_{CC}$ | $\leq 2ns$   | $V_{CC}/2$ | 30pF  | 1k $\Omega$  |
| $2.5V \pm 0.2V$  | $V_{CC}$ | $\leq 2ns$   | $V_{CC}/2$ | 30pF  | 500 $\Omega$ |
| $3.3V \pm 0.3V$  | 3V       | $\leq 2.5ns$ | 1.5V       | 50pF  | 500 $\Omega$ |
| $5V \pm 0.5V$    | $V_{CC}$ | $\leq 2.5ns$ | $V_{CC}/2$ | 50pF  | 500 $\Omega$ |



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

Figure 2 Load Circuit and Voltage Waveforms

## Ordering Information

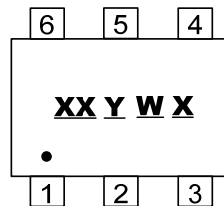


| Part Number    | Package Code | Packaging<br>(Note 7) | 7" Tape and Reel |                    |
|----------------|--------------|-----------------------|------------------|--------------------|
|                |              |                       | Quantity         | Part Number Suffix |
| 74LVC1G11W6-7  | W6           | SOT26                 | 3000/Tape & Reel | -7                 |
| 74LVC1G11DW-7  | DW           | SOT363                | 3000/Tape & Reel | -7                 |
| 74LVC1G11FW4-7 | FW4          | X2-DFN1010-6          | 5000/Tape & Reel | -7                 |
| 74LVC1G11FZ4-7 | FW4          | X2-DFN1410-6          | 5000/Tape & Reel | -7                 |

Note: 7. The taping orientation is located on our website at <http://www.diodes.com/datasheets/ap02007.pdf>

## Marking Information

(1) SOT26, SOT363

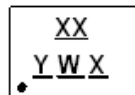


**XX** : Identification code  
**Y** : Year 0~9  
**W** : Week : A~Z : 1~26 week;  
       a~z : 27~52 week; z represents  
       52 and 53 week  
**X** : A~Z : Internal Code

| Part Number | Package | Identification Code |
|-------------|---------|---------------------|
| 74LVC1G11W6 | SOT26   | TV                  |
| 74LVC1G11DW | SOT363  | TV                  |

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

(Top View)



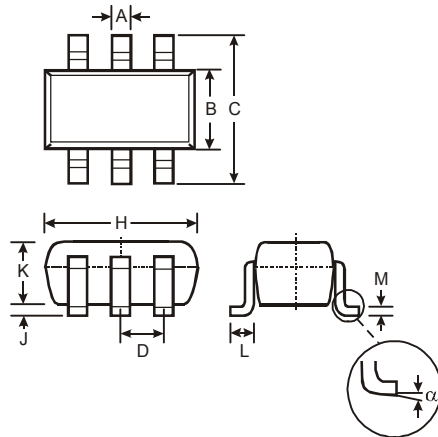
**XX** : Identification Code  
**Y** : Year : 0~9  
**W** : Week : A~Z : 1~26 week;  
       a~z : 27~52 week; z represents  
       52 and 53 week  
**X** : A~Z : Internal code

| Part Number  | Package      | Identification Code |
|--------------|--------------|---------------------|
| 74LVC1G11FW4 | X2-DFN1010-6 | TV                  |
| 74LVC1G11FZ4 | X2-DFN1410-6 | TV                  |

## Package Outline Dimensions (All dimensions in mm.)

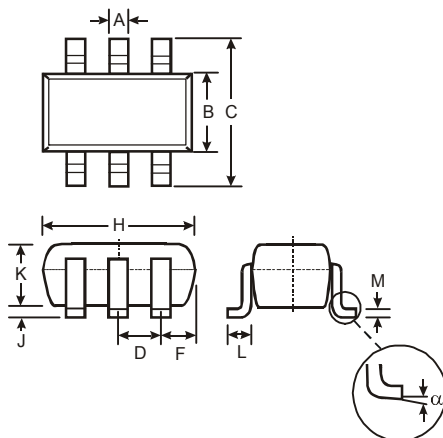
Please see AP02002 at <http://www.diodes.com/datasheets/ap02002.pdf> for the latest version.

### (1) Package Type: SOT26



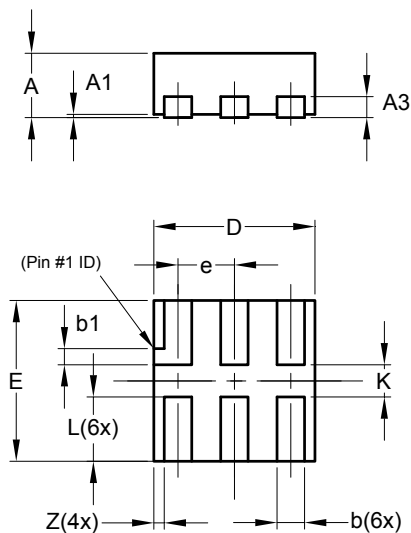
| SOT26                |       |      |      |
|----------------------|-------|------|------|
| Dim                  | Min   | Max  | Typ  |
| A                    | 0.35  | 0.50 | 0.38 |
| B                    | 1.50  | 1.70 | 1.60 |
| C                    | 2.70  | 3.00 | 2.80 |
| D                    | —     | —    | 0.95 |
| H                    | 2.90  | 3.10 | 3.00 |
| J                    | 0.013 | 0.10 | 0.05 |
| K                    | 1.00  | 1.30 | 1.10 |
| L                    | 0.35  | 0.55 | 0.40 |
| M                    | 0.10  | 0.20 | 0.15 |
| α                    | 0°    | 8°   | —    |
| All Dimensions in mm |       |      |      |

### (2) Package Type: SOT363



| SOT363               |          |      |
|----------------------|----------|------|
| Dim                  | Min      | Max  |
| A                    | 0.10     | 0.30 |
| B                    | 1.15     | 1.35 |
| C                    | 2.00     | 2.20 |
| D                    | 0.65 Typ |      |
| F                    | 0.40     | 0.45 |
| H                    | 1.80     | 2.20 |
| J                    | 0        | 0.10 |
| K                    | 0.90     | 1.00 |
| L                    | 0.25     | 0.40 |
| M                    | 0.10     | 0.22 |
| α                    | 0°       | 8°   |
| All Dimensions in mm |          |      |

### (3) Package Type: DFN1010



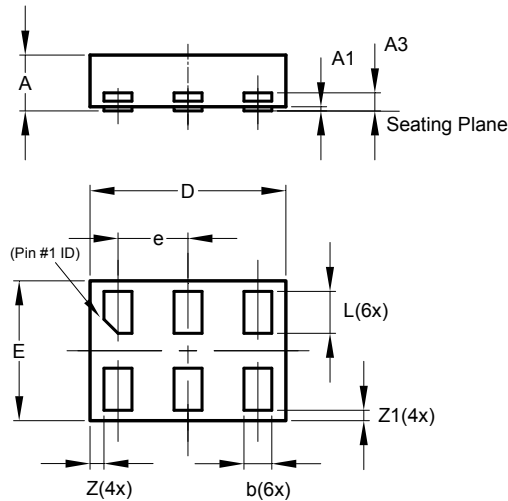
| X2-DFN1010-6         |      |      |       |
|----------------------|------|------|-------|
| Dim                  | Min  | Max  | Typ   |
| A                    | —    | 0.40 | 0.39  |
| A1                   | 0.00 | 0.05 | 0.02  |
| A3                   | —    | —    | 0.13  |
| b                    | 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 |      |      |       |



**Package Outline Dimensions** (cont.) (All dimensions in mm.)

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

**(4) Package Type X2-DFN1410-6**

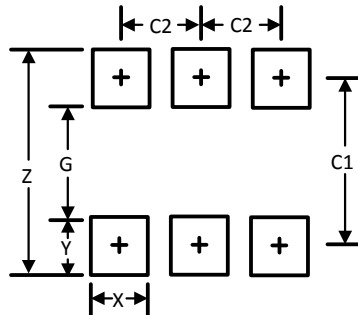


| X2-DFN1410-6         |       |       |       |
|----------------------|-------|-------|-------|
| Dim                  | Min   | Max   | Typ   |
| A                    | —     | 0.40  | 0.39  |
| A1                   | 0.00  | 0.05  | 0.02  |
| A3                   | —     | —     | 0.13  |
| b                    | 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 |       |       |       |

## Suggested Pad Layout (All dimensions in mm.)

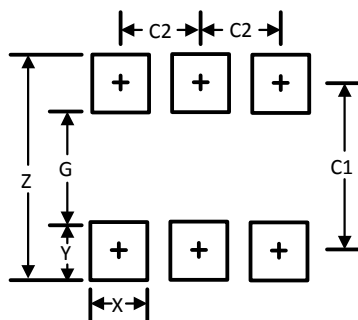
Please see AP02001 at <http://www.diodes.com/datasheets/ap02001.pdf> for the latest version.

### (1) Package Type: SOT26



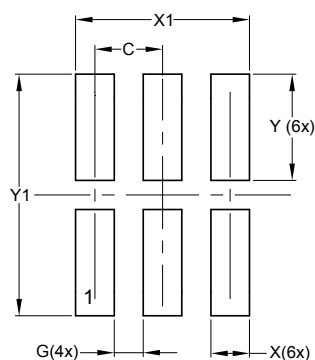
| Dimensions | Value (in mm) |
|------------|---------------|
| Z          | 3.20          |
| G          | 1.60          |
| X          | 0.55          |
| Y          | 0.80          |
| C1         | 2.40          |
| C2         | 0.95          |

### (2) Package Type: SOT363



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

### (3) Package Type X2-DFN1010-6

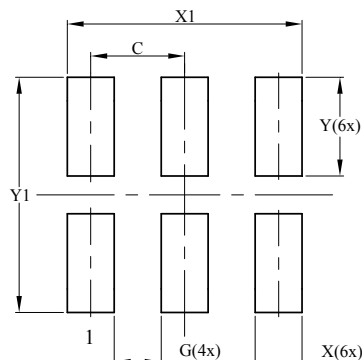


| Dimensions | Value (in mm) |
|------------|---------------|
| C          | 0.350         |
| G          | 0.150         |
| X          | 0.200         |
| X1         | 0.900         |
| Y          | 0.550         |
| Y1         | 1.250         |

## Suggested Pad Layout (cont.)

Please see AP02001 at <http://www.diodes.com/datasheets/ap02001.pdf> for the latest version.

### (4) Package Type: X2-DFN1410-6



| 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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