NX3V1G66

Low-ohmic single-pole single-throw analog switch

Rev. 05 — 24 March 2010

Product data sheet

1. General description

The NX3V1G66 provides one single-pole single-throw analog switch function. It has two input/output terminals (Y and Z) and an active HIGH enable input pin (E). When pin E is LOW, the analog switch is turned off.

Schmitt trigger action at the enable input (E) makes the circuit tolerant to slower input rise and fall times across the entire V_{CC} range from 1.4 V to 4.3 V.

The NX3V1G66 allows signals with amplitude up to V_{CC} to be transmitted from Y to Z or from Z to Y. Its ultra-low ON resistance (0.3 Ω) and flatness (0.1 Ω) ensures minimal attenuation and distortion of transmitted signals.

2. Features

- Wide supply voltage range from 1.4 V to 4.3 V
- Very low ON resistance (peak):
 - 0.8 Ω (typical) at $V_{CC} = 1.4 \text{ V}$
 - 0.5 Ω (typical) at $V_{CC} = 1.65 \text{ V}$
 - 0.3 Ω (typical) at $V_{CC} = 2.3 \text{ V}$
 - 0.25 Ω (typical) at $V_{CC} = 2.7 \text{ V}$
 - 0.25 Ω (typical) at $V_{CC} = 4.3 \text{ V}$
- High noise immunity
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 7500 V
 - ♦ MM JESD22-A115-A exceeds 200 V
 - ◆ CDM AEC-Q100-011 revision B exceeds 1000 V
- CMOS low-power consumption
- Latch-up performance exceeds 100 mA per JESD78B Class II Level A
- Direct interface with TTL levels at 3.0 V
- Control input accepts voltages above supply voltage
- High current handling capability (500 mA continuous current under 3.3 V supply)
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

3. Applications

- Cell phone
- PDA
- Portable media player



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4. Ordering information

Table 1. Ordering information

| Type number | Package | | | | | | | |
|-------------|-------------------|--------|---|----------|--|--|--|--|
| | Temperature range | Name | Description | Version | | | | |
| NX3V1G66GW | –40 °C to +125 °C | TSSOP5 | plastic thin shrink small outline package; 5 leads; body width 1.25 mm | SOT353-1 | | | | |
| NX3V1G66GM | –40 °C to +125 °C | XSON6 | plastic extremely thin small outline package; no leads; 6 terminals; body 1 \times 1.45 \times 0.5 mm | SOT886 | | | | |

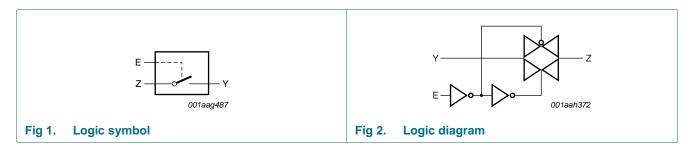
5. Marking

Table 2. Marking codes[1]

| Type number | Marking code |
|-------------|--------------|
| NX3V1G66GW | dL |
| NX3V1G66GM | dL |

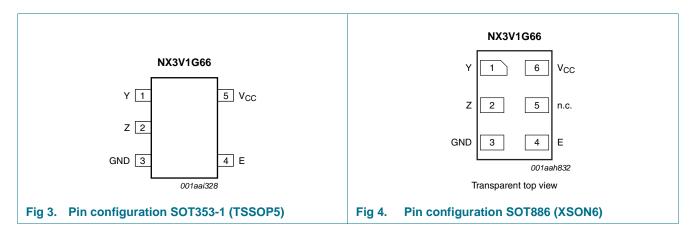
^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

6. Functional diagram



7. Pinning information

7.1 Pinning



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7.2 Pin description

Table 3. Pin description

| Symbol | Pin | | Description |
|-----------------|----------|--------|-----------------------------|
| | SOT353-1 | SOT886 | |
| Υ | 1 | 1 | independent input or output |
| Z | 2 | 2 | independent output or input |
| GND | 3 | 3 | ground (0 V) |
| Е | 4 | 4 | enable input (active HIGH) |
| n.c. | - | 5 | not connected |
| V _{CC} | 5 | 6 | supply voltage |

8. Functional description

Table 4. Function table[1]

| Input E | Switch |
|---------|-----------|
| L | OFF-state |
| Н | ON-state |

^[1] H = HIGH voltage level; L = LOW voltage level.

9. Limiting values

Table 5. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

| Symbol | Parameter | Conditions | Min | Max | Unit |
|------------------|-------------------------|--|-------------------|----------------|------|
| V_{CC} | supply voltage | | -0.5 | +4.6 | V |
| VI | input voltage | enable input E | [<u>1</u>] -0.5 | +4.6 | V |
| V_{SW} | switch voltage | | [2] -0.5 | $V_{CC} + 0.5$ | V |
| I _{IK} | input clamping current | $V_1 < -0.5 \text{ V}$ | -50 | - | mA |
| I _{SK} | switch clamping current | $V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$ | - | ±50 | mA |
| I _{SW} | switch current | $V_{SW} > -0.5 \text{ V or } V_{SW} < V_{CC} + 0.5 \text{ V};$ source or sink current | - | ±500 | mA |
| | | V_{SW} > -0.5 V or V_{SW} < V_{CC} + 0.5 V; pulsed at 1 ms duration, < 10 % duty cycle; peak current | - | ±750 | mA |
| T _{stg} | storage temperature | | –65 | +150 | °C |
| P _{tot} | total power dissipation | $T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$ | [3] _ | 250 | mW |

^[1] The minimum input voltage rating may be exceeded if the input current rating is observed.

^[2] The minimum and maximum switch voltage ratings may be exceeded if the switch clamping current rating is observed but may not exceed 4.6 V.

^[3] For TSSOP5 package: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K. For XSON6 package: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

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10. Recommended operating conditions

Table 6. Recommended operating conditions

| Symbol | Parameter | Conditions | Min | Max | Unit |
|---------------------|-------------------------------------|--|--------------|----------|------|
| V_{CC} | supply voltage | | 1.4 | 4.3 | V |
| VI | input voltage | enable input E | 0 | 4.3 | V |
| V_{SW} | switch voltage | | <u>[1]</u> 0 | V_{CC} | V |
| T _{amb} | ambient temperature | | -40 | +125 | °C |
| $\Delta t/\Delta V$ | input transition rise and fall rate | $V_{CC} = 1.4 \text{ V to } 4.3 \text{ V}$ | [2] _ | 200 | ns/V |

^[1] To avoid sinking GND current from terminal Z when switch current flows in terminal Y, the voltage drop across the bidirectional switch must not exceed 0.4 V. If the switch current flows into terminal Z, no GND current will flow from terminal Y. In this case, there is no limit for the voltage drop across the switch.

11. Static characteristics

Table 7. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground 0 V).

| Symbol | Parameter | Conditions | Tar | _{nb} = 25 | °C | T _{amb} = | Unit | | |
|---------------------|--------------------------|---|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|----|
| | | | Min | Тур | Max | Min | Max (85 °C) | Max (125 °C) | |
| V_{IH} | HIGH-level | V _{CC} = 1.4 V to 1.95 V | 0.65V _{CC} | - | - | 0.65V _{CC} | - | - | V |
| | input voltage | V _{CC} = 2.3 V to 2.7 V | 1.7 | - | - | 1.7 | - | - | V |
| | | V _{CC} = 2.7 V to 3.6 V | 2.0 | - | - | 2.0 | - | - | V |
| | | V _{CC} = 3.6 V to 4.3 V | 0.7V _{CC} | - | - | 0.7V _{CC} | - | - | V |
| V _{IL} | LOW-level | $V_{CC} = 1.4 \text{ V to } 1.95 \text{ V}$ | - | - | 0.35V _{CC} | - | 0.35V _{CC} | 0.35V _{CC} | V |
| | input voltage | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | - | 0.7 | 0.7 | V |
| | | V _{CC} = 2.7 V to 3.6 V | - | - | 0.8 | - | 0.8 | 0.8 | V |
| | | V _{CC} = 3.6 V to 4.3 V | - | - | $0.3V_{CC}$ | - | $0.3V_{CC}$ | $0.3V_{CC}$ | V |
| l _l | input leakage current | enable input E; $V_I = GND \text{ to } 4.3 \text{ V};$ $V_{CC} = 1.4 \text{ V to } 4.3 \text{ V}$ | - | - | - | - | ±0.5 | ±1 | μА |
| I _{S(OFF)} | OFF-state | Y port; see Figure 5 | | | | | | | |
| | leakage | $V_{CC} = 1.4 \text{ V to } 3.6 \text{ V}$ | - | - | ±5 | - | ±50 | ±500 | nΑ |
| | current | $V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$ | - | - | ±10 | - | ±50 | ±500 | nΑ |
| I _{S(ON)} | ON-state | Z port; see Figure 6 | | | | | | | |
| | leakage current | $V_{CC} = 1.4 \text{ V to } 3.6 \text{ V}$ | - | - | ±5 | - | ±50 | ±500 | nΑ |
| | current | $V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$ | - | - | ±10 | - | ±50 | ±500 | nΑ |
| I _{CC} | supply current | $V_I = V_{CC}$ or GND; $V_{SW} = GND$ or V_{CC} | | | | | | | |
| | | V _{CC} = 3.6 V | - | - | 100 | - | 690 | 6000 | nA |
| | | V _{CC} = 4.3 V | - | - | 150 | - | 800 | 7000 | nA |

^[2] Applies to control signal levels.

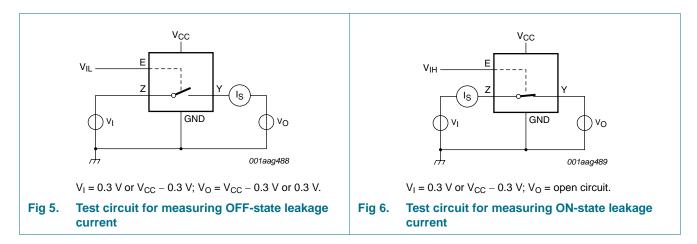
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 Table 7.
 Static characteristics ...continued

At recommended operating conditions; voltages are referenced to GND (ground 0 V).

| Symbol | Parameter Conditions | | Ta | T _{amb} = 25 °C | | | T_{amb} = -40 °C to +125 °C | | | |
|---------------------|-----------------------|---|-----|--------------------------|-----|-----|-------------------------------|-----------------|----|--|
| | | | Min | Тур | Max | Min | Max (85 °C) | Max (125 °C) | | |
| C _I | input capacitance | ' | - | 1.0 | - | - | - | - | pF | |
| $C_{\text{S(OFF)}}$ | OFF-state capacitance | | - | 70 | - | - | - | - | pF | |
| C _{S(ON)} | ON-state capacitance | | - | 205 | - | - | - | - | pF | |

11.1 Test circuits



11.2 ON resistance

Table 8. Resistance R_{ON}

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for graphs see Figure 8 to Figure 14.

| Symbol | Parameter | Conditions | T _{amb} = | T_{amb} = -40 °C to +85 °C | | T _{amb} = -40 ° | C to +125 °C | Unit |
|----------------|----------------------|---|--------------------|------------------------------|------|--------------------------|--------------|------|
| | | | Min | Typ[1] | Max | Min | Max | |
| $R_{ON(peak)}$ | ON resistance (peak) | $V_I = GND \text{ to } V_{CC};$ $I_{SW} = 100 \text{ mA}; \text{ see } \underline{Figure 7}$ | | | | | | |
| | | V _{CC} = 1.4 V | - | 8.0 | 1.9 | - | 2.1 | Ω |
| | | V _{CC} = 1.65 V | - | 0.5 | 8.0 | - | 0.9 | Ω |
| | | V _{CC} = 2.3 V | - | 0.3 | 0.5 | - | 0.6 | Ω |
| | | V _{CC} = 2.7 V | - | 0.25 | 0.45 | - | 0.5 | Ω |
| | | V _{CC} = 4.3 V | - | 0.25 | 0.45 | - | 0.5 | Ω |

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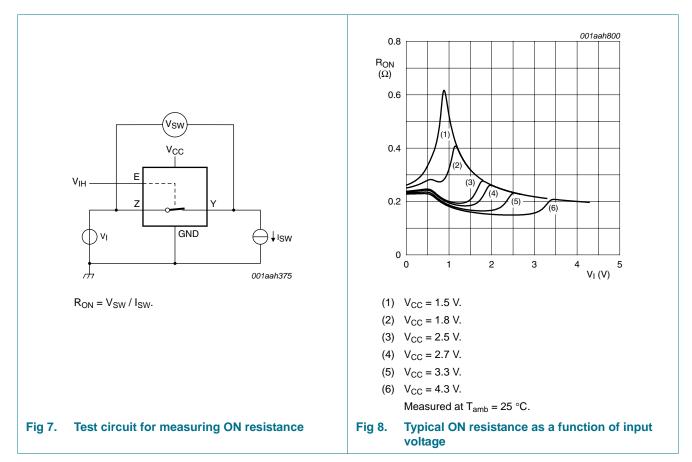
Table 8. Resistance R_{ON} ...continued

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for graphs see Figure 8 to Figure 14.

| Symbol | Parameter | Conditions | T _{amb} = | –40 °C to | +85 °C | $T_{amb} = -40$ ° | C to +125 °C | Unit |
|-----------------------|--------------------------|---|--------------------|-----------|--------|-------------------|--------------|------|
| | | | Min | Typ[1] | Max | Min | Max | |
| $R_{\text{ON(flat)}}$ | ON resistance (flatness) | $V_I = GND \text{ to } V_{CC};$ $I_{SW} = 100 \text{ mA}$ | | | | | | |
| | | $V_{CC} = 1.4 \text{ V}$ | - | 0.5 | 1.7 | - | 1.8 | Ω |
| | | V _{CC} = 1.65 V | - | 0.25 | 0.6 | - | 0.7 | Ω |
| | | V _{CC} = 2.3 V | - | 0.1 | 0.2 | - | 0.2 | Ω |
| | | V _{CC} = 2.7 V | - | 0.1 | 0.2 | - | 0.2 | Ω |
| | | V _{CC} = 4.3 V | - | 0.1 | 0.25 | - | 0.25 | Ω |

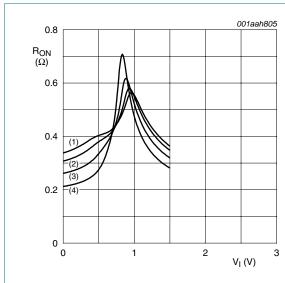
^[1] Typical values are measured at T_{amb} = 25 °C.

11.3 ON resistance test circuit and graphs



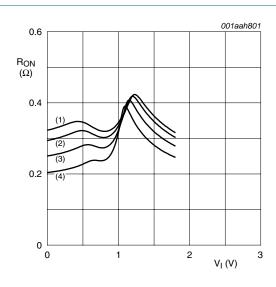
^[2] Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V_{CC} and temperature.

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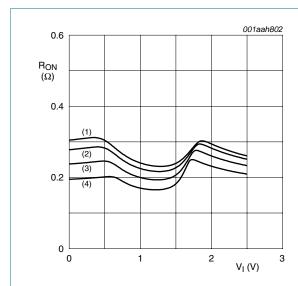
- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig 9. ON resistance as a function of input voltage; $V_{CC} = 1.5 \text{ V}$



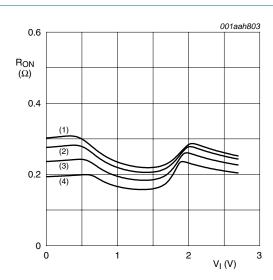
- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig 10. ON resistance as a function of input voltage; $V_{CC} = 1.8 \text{ V}$



- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

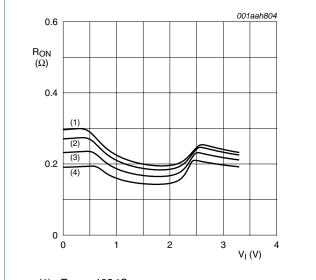
Fig 11. ON resistance as a function of input voltage; $V_{CC} = 2.5 \text{ V}$



- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

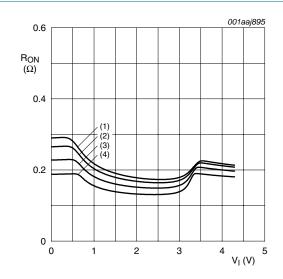
Fig 12. ON resistance as a function of input voltage; $V_{CC} = 2.7 \text{ V}$

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- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig 13. ON resistance as a function of input voltage; $V_{CC} = 3.3 \text{ V}$



- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig 14. ON resistance as a function of input voltage; $V_{CC} = 4.3 \text{ V}$

12. Dynamic characteristics

Table 9. Dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit Figure 16.

| Symbol | Parameter | Conditions | Ta | _{imb} = 25 | °C | T _{amb} = | = −40 °C t | o +125 °C | Unit |
|------------------|--------------|--|-----|---------------------|-----|--------------------|----------------|-----------------|------|
| | | | Min | Typ[1] | Max | Min | Max (85 °C) | Max (125 °C) | |
| t _{en} | enable time | E to Y; see Figure 15 | | | | | | | |
| | | V _{CC} = 1.4 V to 1.6 V | - | 28 | 42 | - | 45 | 49 | ns |
| | | $V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$ | - | 23 | 35 | - | 38 | 41 | ns |
| | | $V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$ | - | 17 | 27 | - | 29 | 31 | ns |
| | | $V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$ | - | 15 | 24 | - | 25 | 28 | ns |
| | | $V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$ | - | 15 | 24 | - | 25 | 28 | ns |
| t _{dis} | disable time | E to Y; see Figure 15 | | | | | | | |
| | | V _{CC} = 1.4 V to 1.6 V | - | 12 | 22 | - | 23 | 26 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | - | 9 | 16 | - | 17 | 19 | ns |
| | | $V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$ | - | 6 | 10 | - | 11 | 12 | ns |
| | | $V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$ | - | 5 | 9 | - | 10 | 11 | ns |
| | | $V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$ | - | 5 | 9 | - | 10 | 11 | ns |

^[1] Typical values are measured at T_{amb} = 25 °C and V_{CC} = 1.5 V, 1.8 V, 2.5 V, 3.3 V and 4.3 V respectively.

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12.1 Waveform and test circuits

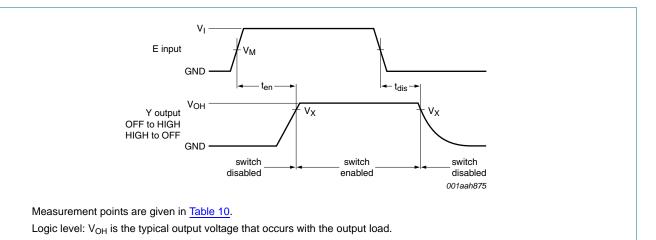


Table 10. Measurement points

Fig 15. Enable and disable times

| Supply voltage | Input | Output |
|-----------------|--------------------|--------------------|
| V _{CC} | V _M | V _X |
| 1.4 V to 4.3 V | 0.5V _{CC} | 0.9V _{OH} |

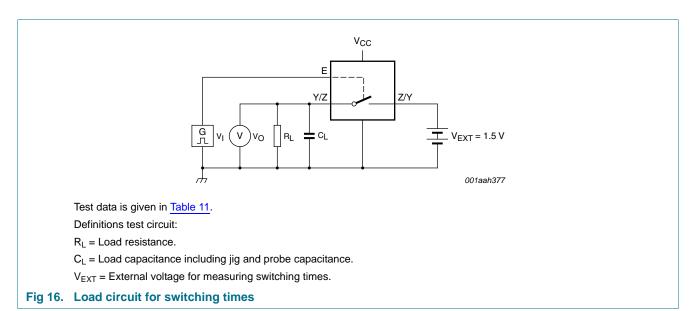


Table 11. Test data

| Supply voltage | Input | | Load | | | |
|-----------------|----------|---------------------------------|-------|----------------|--|--|
| V _{CC} | VI | t _r , t _f | CL | R _L | | |
| 1.4 V to 4.3 V | V_{CC} | ≤ 2.5 ns | 35 pF | 50 Ω | | |

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12.2 Additional dynamic characteristics

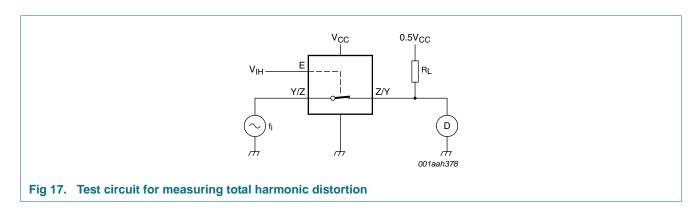
Table 12. Additional dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); $V_l = \text{GND}$ or V_{CC} (unless otherwise specified); $t_r = t_f \le 2.5$ ns; $T_{amb} = 25$ °C.

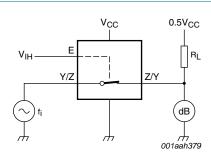
| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-------------------------------|-----------------------|--|------------|------|-----|------|
| THD tota | total harmonic | f_i = 20 Hz to 20 kHz; R_L = 32 Ω ; see Figure 17 | [1] | | | |
| | distortion | $V_{CC} = 1.4 \text{ V}; V_I = 1 \text{ V (p-p)}$ | - | 0.05 | - | % |
| | | $V_{CC} = 1.65 \text{ V}; V_I = 1.2 \text{ V (p-p)}$ | - | 0.03 | - | % |
| | | $V_{CC} = 2.3 \text{ V}; V_I = 1.5 \text{ V (p-p)}$ | - | 0.01 | - | % |
| | | $V_{CC} = 2.7 \text{ V}; V_{I} = 2 \text{ V (p-p)}$ | - | 0.01 | - | % |
| | | $V_{CC} = 4.3 \text{ V}; V_{I} = 2 \text{ V (p-p)}$ | - | 0.01 | - | % |
| f _(-3dB) | -3 dB frequency | $R_L = 50 \Omega$; see Figure 18 | <u>[1]</u> | | | |
| | response | V _{CC} = 1.4 V to 4.3 V | - | 25 | - | MHz |
| α_{iso} isolati | isolation (OFF-state) | f_i = 100 kHz; R_L = 50 Ω ; see Figure 19 | [1] | | | |
| | | V _{CC} = 1.4 V to 4.3 V | - | -90 | - | dB |
| V _{ct} crosstalk | crosstalk voltage | between digital input and switch; $f_i = 1 \text{ MHz}$; $C_L = 50 \text{ pF}$; $R_L = 50 \Omega$; see Figure 20 | | | | |
| | | $V_{CC} = 1.4 \text{ V to } 3.6 \text{ V}$ | - | 0.3 | - | V |
| | | $V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$ | - | 0.5 | - | V |
| Q _{inj} | charge injection | f_i = 1 MHz; C_L = 0.1 nF; R_L = 1 M Ω ; V_{gen} = 0 V; R_{gen} = 0 Ω ; see Figure 21 | | | | |
| | | V _{CC} = 1.5 V | - | 6.5 | - | рС |
| | | V _{CC} = 1.8 V | - | 6.5 | - | рС |
| | | V _{CC} = 2.5 V | - | 6.5 | - | рС |
| | | $V_{CC} = 3.3 \text{ V}$ | - | 6.5 | - | рС |
| | | V _{CC} = 4.3 V | - | 12 | - | рС |

^[1] f_i is biased at $0.5V_{CC}$.

12.3 Test circuits

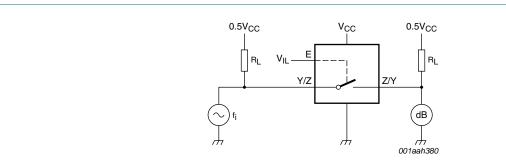


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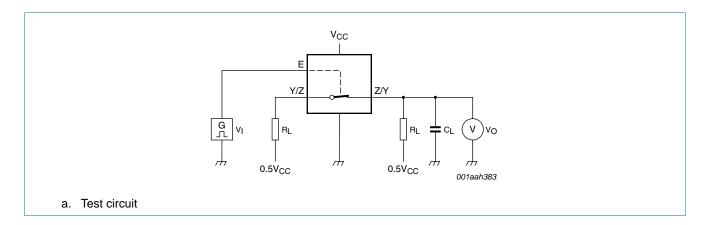
Adjust f_i voltage to obtain 0 dBm level at output. Increase f_i frequency until dB meter reads -3 dB.

Fig 18. Test circuit for measuring the frequency response when switch is in ON-state



Adjust fi voltage to obtain 0 dBm level at input.

Fig 19. Test circuit for measuring isolation (OFF-state)



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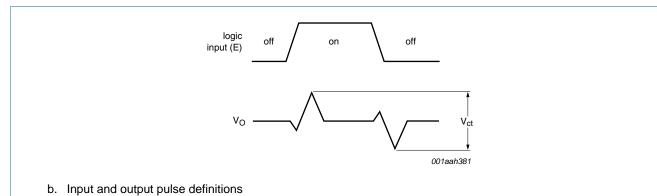
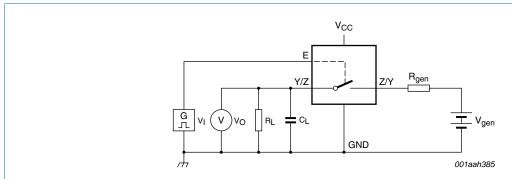
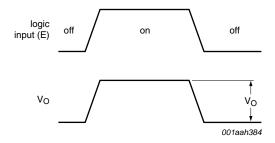


Fig 20. Test circuit for measuring crosstalk voltage between digital input and switch



a. Test circuit.



b. Input and output pulse definitions.

Definition: $Q_{inj} = \Delta V_O \times C_L$.

 ΔV_{O} = output voltage variation.

 R_{gen} = generator resistance.

 V_{gen} = generator voltage.

Fig 21. Test circuit for measuring charge injection

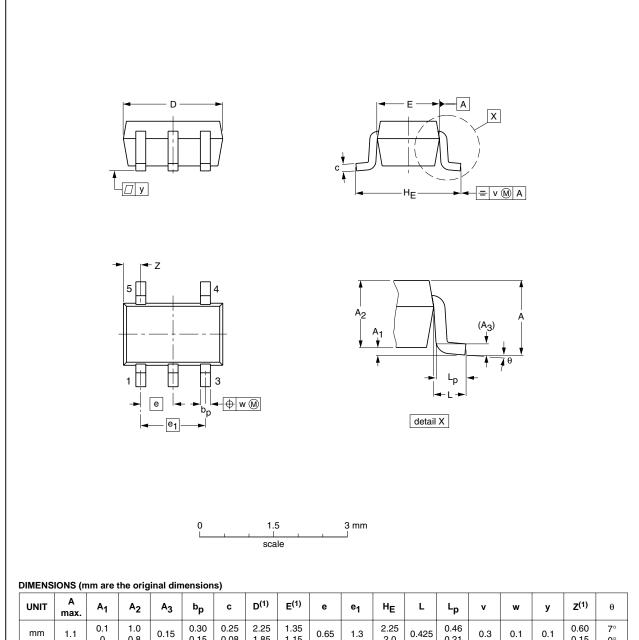
NX3V1G66 NXP Semiconductors

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13. Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm

SOT353-1



| UNIT | A max. | A ₁ | A ₂ | A ₃ | bp | С | D ⁽¹⁾ | E ⁽¹⁾ | е | e ₁ | HE | L | Lp | v | w | у | Z ⁽¹⁾ | θ |
|------|-----------|----------------|----------------|----------------|--------------|--------------|------------------|------------------|------|----------------|-------------|-------|--------------|-----|-----|-----|------------------|----------|
| mm | 1.1 | 0.1 0 | 1.0 0.8 | 0.15 | 0.30 0.15 | 0.25 0.08 | 2.25 1.85 | 1.35 1.15 | 0.65 | 1.3 | 2.25 2.0 | 0.425 | 0.46 0.21 | 0.3 | 0.1 | 0.1 | 0.60 0.15 | 7° 0° |

1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

| | REFER | EUROPEAN | ISSUE DATE | | |
|-----|--------|-----------|------------|-----------------|----------------------------------|
| IEC | JEDEC | JEITA | | PROJECTION | ISSUE DATE |
| | MO-203 | SC-88A | | | -00-09-01 03-02-19 |
| | IEC | IEC JEDEC | | IEC JEDEC JEITA | IEC JEDEC JEITA PROJECTION |

Fig 22. Package outline SOT353-1 (TSSOP5)

Low-ohmic single-pole single-throw analog switch

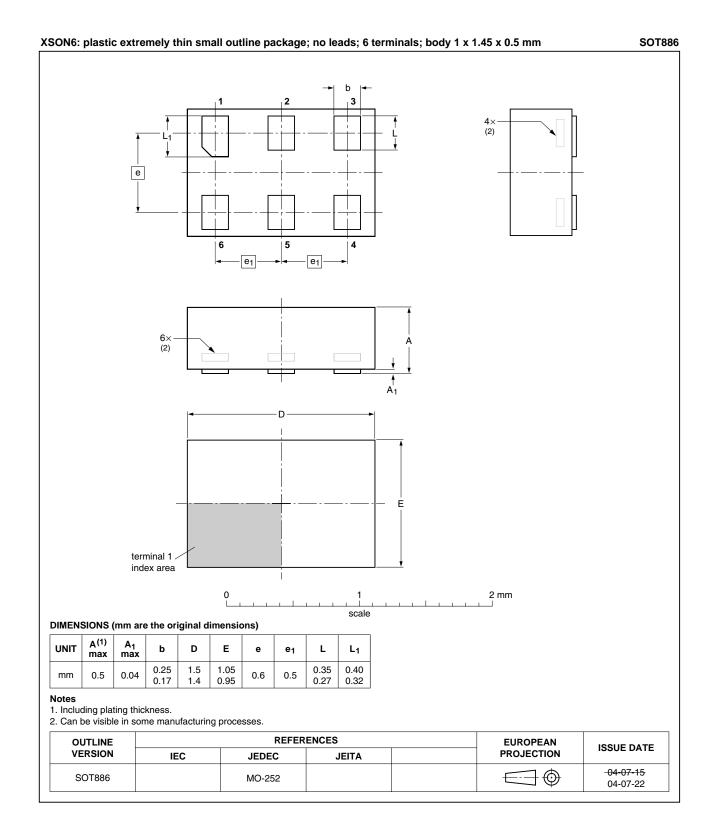


Fig 23. Package outline SOT886 (XSON6)

Low-ohmic single-pole single-throw analog switch

14. Abbreviations

Table 13. Abbreviations

| Acronym | Description |
|---------|---|
| CDM | Charged Device Model |
| CMOS | Complementary Metal-Oxide Semiconductor |
| ESD | ElectroStatic Discharge |
| НВМ | Human Body Model |
| MM | Machine Model |
| PDA | Personal Digital Assistant |
| TTL | Transistor-Transistor Logic |

15. Revision history

Table 14. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes |
|----------------|-----------------------|-----------------------------|--------------------------|------------|
| NX3V1G66_5 | 20100324 | Product data sheet | - | NX3V1G66_4 |
| NX3V1G66_4 | 20100208 | Product data sheet | - | NX3V1G66_3 |
| Modifications: | • Figure 5: Te | st circuit drawing has chan | ged. | |
| | • <u>Table 8</u> : ON | resistance (flatness) chang | ged at V_{CC} = 4.3 V. | |
| NX3V1G66_3 | 20090409 | Product data sheet | - | NX3V1G66_2 |
| NX3V1G66_2 | 20080728 | Product data sheet | - | NX3V1G66_1 |
| NX3V1G66_1 | 20080421 | Product data sheet | - | - |
| | | | | |

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16. Legal information

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| Document status[1][2] | Product status[3] | Definition |
|--------------------------------|-------------------|---|
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| Preliminary [short] data sheet | Qualification | This document contains data from the preliminary specification. |
| Product [short] data sheet | Production | This document contains the product specification. |

- [1] Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions"
- [3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL http://www.nxp.com.

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