

## FEATURES

- 0.4  $\Omega$  maximum on resistance at 125°C
- 0.08  $\Omega$  maximum on resistance flatness at 125°C
- 1.8 V to 5.5 V single supply
- Automotive temperature range from –40°C to +125°C
- 400 mA current-carrying capability
- Tiny 6-lead SOT-23 and 8-lead MSOP packages
- 35 ns switching times
- Low power consumption
- TTL-/CMOS-compatible inputs
- Pin compatible with [ADG701/ADG702](#)

## APPLICATIONS

- Power routing
- Cellular phones
- Modems
- PCMCIA cards
- Hard drives
- Data acquisition systems
- Communications systems
- Relay replacement
- Battery-powered systems

## GENERAL DESCRIPTION

The [ADG801](#) and [ADG802](#) are monolithic CMOS, single-pole, single throw (SPST) switches with on resistance of less than 0.4  $\Omega$ . These switches are designed using an advanced submicron process that provides extremely low on resistance, high switching speed, and low leakage currents.

The low on resistance of <0.4  $\Omega$  makes these parts ideal for applications where low on resistance switching is critical.

The [ADG801](#) switch is normally open (NO), while the [ADG802](#) is normally closed (NC). Each switch conducts equally well in both directions when on.

## FUNCTIONAL BLOCK DIAGRAM

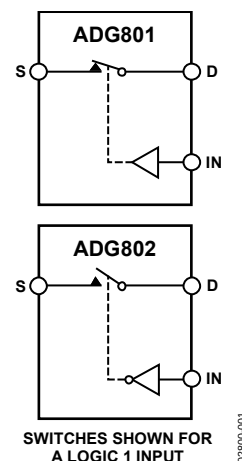


Figure 1.

## PRODUCT HIGHLIGHTS

1. Low on resistance (0.25  $\Omega$  typical).
2. 1.8 V to 5.5 V single-supply operation.
3. Tiny 6-lead SOT-23 and 8-lead MSOP packages.
4. 400 mA current-carrying capability.
5. Automotive temperature range from –40°C to +125°C.
6. Pin compatible with [ADG701](#) ([ADG801](#)) and [ADG702](#) ([ADG802](#)).

### Rev. B

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## REVISION HISTORY

### 1/12—Rev. A to Rev. B

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Deleted 6-Ball WLCSP Package.....                           | Universal |
| Added Table Title to Table 3; Renumbered Sequentially ..... | 5         |
| Deleted Figure 4; Renumbered Sequentially.....              | 6         |
| Changes to Table 5.....                                     | 6         |
| Moved Terminology Section .....                             | 9         |
| Updated Outline Dimensions .....                            | 12        |
| Deleted Figure 23.....                                      | 13        |
| Changes to Ordering Guide .....                             | 13        |

### 3/07—Rev. 0 to Rev. A

|                                                            |           |
|------------------------------------------------------------|-----------|
| Updated Format.....                                        | Universal |
| Added 6-Ball WLCSP Package (Text and Figures) .....        | Universal |
| Replaced Typical Performance Characteristics Section ..... | 8         |
| Updated Outline Dimensions .....                           | 12        |
| Changes to Ordering Guide .....                            | 14        |

### 5/02—Revision 0: Initial Version

## SPECIFICATIONS

$V_{DD} = 5\text{ V} \pm 10\%$ ,  $GND = 0\text{ V}$ , unless otherwise noted. The automotive temperature range is  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

Table 1.

| Parameter                                  | 25°C                     | -40°C to +85°C | -40°C to +125°C <sup>1</sup> | Unit                                   | Test Conditions/Comments                                                                                                                                              |
|--------------------------------------------|--------------------------|----------------|------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ANALOG SWITCH</b>                       |                          |                |                              |                                        |                                                                                                                                                                       |
| Analog Signal Range                        |                          |                | 0 V to $V_{DD}$              | V                                      |                                                                                                                                                                       |
| On Resistance ( $R_{ON}$ )                 | 0.25<br>0.3              | 0.35           | 0.4                          | $\Omega$ typ<br>$\Omega$ max           | $V_S = 0\text{ V to }V_{DD}$ , $I_S = 100\text{ mA}$ ; see Figure 13<br>$V_S = 0\text{ V to }V_{DD}$ , $I_S = 100\text{ mA}$ ; see Figure 13                          |
| On Resistance Flatness ( $R_{FLAT(ON)}$ )  | 0.05                     | 0.07           | 0.08                         | $\Omega$ typ<br>$\Omega$ max           | $V_S = 0\text{ V to }V_{DD}$ , $I_S = 100\text{ mA}$                                                                                                                  |
| <b>LEAKAGE CURRENTS</b>                    |                          |                |                              |                                        |                                                                                                                                                                       |
| Source Off Leakage, $I_S$ (Off)            | $\pm 0.01$<br>$\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA typ<br>nA max                       | $V_{DD} = 5.5\text{ V}$<br>$V_S = 4.5\text{ V/1 V}$ , $V_D = 1\text{ V/4.5 V}$ ; see Figure 14<br>$V_S = 4.5\text{ V/1 V}$ , $V_D = 1\text{ V/4.5 V}$ ; see Figure 14 |
| Drain Off Leakage, $I_D$ (Off)             | $\pm 0.01$<br>$\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA typ<br>nA max                       | $V_S = 4.5\text{ V/1 V}$ , $V_D = 1\text{ V/4.5 V}$ ; see Figure 14<br>$V_S = 4.5\text{ V/1 V}$ , $V_D = 1\text{ V/4.5 V}$ ; see Figure 14                            |
| Channel On Leakage, $I_D$ , $I_S$ (On)     | $\pm 0.01$<br>$\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA typ<br>nA max                       | $V_S = V_D = 1\text{ V}$ , or $4.5\text{ V}$ ; see Figure 15<br>$V_S = V_D = 1\text{ V}$ , or $4.5\text{ V}$ ; see Figure 15                                          |
| <b>DIGITAL INPUTS</b>                      |                          |                |                              |                                        |                                                                                                                                                                       |
| Input High Voltage, $V_{INH}$              |                          |                | 2.0                          | V min                                  |                                                                                                                                                                       |
| Input Low Voltage, $V_{INL}$               |                          |                | 0.8                          | V max                                  |                                                                                                                                                                       |
| Input Current<br>$I_{INL}$ or $I_{INH}$    | 0.005                    |                | $\pm 0.1$                    | $\mu\text{A}$ typ<br>$\mu\text{A}$ max | $V_{IN} = V_{INL}$ or $V_{INH}$                                                                                                                                       |
| $C_{IN}$ , Digital Input Capacitance       | 5                        |                |                              | pF typ                                 |                                                                                                                                                                       |
| <b>DYNAMIC CHARACTERISTICS<sup>2</sup></b> |                          |                |                              |                                        |                                                                                                                                                                       |
| $t_{ON}$                                   | 35<br>45                 | 50             | 55                           | ns typ<br>ns max                       | $R_L = 50\ \Omega$ , $C_L = 35\text{ pF}$<br>$V_S = 3\text{ V}$ ; see Figure 16                                                                                       |
| $t_{OFF}$                                  | 9<br>15                  | 18             | 21                           | ns typ<br>ns max                       | $R_L = 50\ \Omega$ , $C_L = 35\text{ pF}$<br>$V_S = 3\text{ V}$ ; see Figure 16                                                                                       |
| Charge Injection                           | 50                       |                |                              | pC typ                                 | $V_S = 2.5\text{ V}$ , $R_S = 0\ \Omega$ ; $C_L = 1\text{ nF}$ ; see Figure 17                                                                                        |
| Off Isolation                              | -61                      |                |                              | dB typ                                 | $R_L = 50\ \Omega$ , $C_L = 5\text{ pF}$ ; $f = 100\text{ kHz}$ ; see Figure 18                                                                                       |
| Bandwidth -3 dB                            | 12                       |                |                              | MHz typ                                | $R_L = 50\ \Omega$ , $C_L = 5\text{ pF}$ ; see Figure 19                                                                                                              |
| $C_S$ (Off)                                | 180                      |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                                                                                                    |
| $C_D$ (Off)                                | 180                      |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                                                                                                    |
| $C_D$ , $C_S$ (On)                         | 420                      |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                                                                                                    |
| <b>POWER REQUIREMENTS</b>                  |                          |                |                              |                                        |                                                                                                                                                                       |
| $I_{DD}$                                   | 0.001                    | 1.0            | 2.0                          | $\mu\text{A}$ typ<br>$\mu\text{A}$ max | $V_{DD} = 5.5\text{ V}$<br>Digital inputs = 0 V or 5.5 V                                                                                                              |

<sup>1</sup> On resistance parameters tested with  $I_S = 10\text{ mA}$ .

<sup>2</sup> Guaranteed by design, not subject to production test.

$V_{DD} = 2.7\text{ V}$  to  $3.6\text{ V}$ ,  $GND = 0\text{ V}$ , unless otherwise noted. The automotive temperature range is  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

Table 2.

| Parameter                                  | 25°C       | −40°C to +85°C | −40°C to +125°C <sup>1</sup> | Unit                                   | Test Conditions/Comments                                                          |
|--------------------------------------------|------------|----------------|------------------------------|----------------------------------------|-----------------------------------------------------------------------------------|
| <b>ANALOG SWITCH</b>                       |            |                |                              |                                        |                                                                                   |
| Analog Signal Range                        |            |                | 0 V to $V_{DD}$              | V                                      |                                                                                   |
| On Resistance ( $R_{ON}$ )                 | 0.4        |                |                              | $\Omega$ typ                           | $V_S = 0\text{ V}$ to $V_{DD}$ , $I_S = 100\text{ mA}$ ; see Figure 13            |
|                                            | 0.6        | 0.65           | 0.7                          | $\Omega$ max                           | $V_S = 0\text{ V}$ to $V_{DD}$ , $I_S = 100\text{ mA}$ ; see Figure 13            |
| On Resistance Flatness ( $R_{FLAT(ON)}$ )  | 0.1        | 0.1            | 0.1                          | $\Omega$ typ                           | $V_S = 0\text{ V}$ to $V_{DD}$ , $I_S = 100\text{ mA}$                            |
| <b>LEAKAGE CURRENTS</b>                    |            |                |                              |                                        |                                                                                   |
| Source Off Leakage, $I_S$ (Off)            | $\pm 0.01$ |                |                              | nA typ                                 | $V_{DD} = 3.6\text{ V}$                                                           |
|                                            | $\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA max                                 | $V_S = 3.3\text{ V}/1\text{ V}$ , $V_D = 1\text{ V}/3.3\text{ V}$ ; see Figure 14 |
| Drain Off Leakage, $I_D$ (Off)             | $\pm 0.01$ |                |                              | nA typ                                 | $V_S = 3.3\text{ V}/1\text{ V}$ , $V_D = 1\text{ V}/3.3\text{ V}$ ; see Figure 14 |
|                                            | $\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA max                                 | $V_S = 3.3\text{ V}/1\text{ V}$ , $V_D = 1\text{ V}/3.3\text{ V}$ ; see Figure 14 |
| Channel On Leakage, $I_D$ , $I_S$ (On)     | $\pm 0.01$ |                |                              | nA typ                                 | $V_S = V_D = 1\text{ V}$ , or $3.3\text{ V}$ ; see Figure 15                      |
|                                            | $\pm 0.25$ | $\pm 3$        | $\pm 30$                     | nA max                                 | $V_S = V_D = 1\text{ V}$ , or $3.3\text{ V}$ ; see Figure 15                      |
| <b>DIGITAL INPUTS</b>                      |            |                |                              |                                        |                                                                                   |
| Input High Voltage, $V_{INH}$              |            |                | 2.0                          | V min                                  |                                                                                   |
| Input Low Voltage, $V_{INL}$               |            |                | 0.8                          | V max                                  |                                                                                   |
| Input Current<br>$I_{INL}$ or $I_{INH}$    | 0.005      |                | $\pm 0.1$                    | $\mu\text{A}$ typ<br>$\mu\text{A}$ max | $V_{IN} = V_{INL}$ or $V_{INH}$                                                   |
| $C_{IN}$ , Digital Input Capacitance       | 5          |                |                              | pF typ                                 |                                                                                   |
| <b>DYNAMIC CHARACTERISTICS<sup>2</sup></b> |            |                |                              |                                        |                                                                                   |
| $t_{ON}$                                   | 40         |                |                              | ns typ                                 | $R_L = 50\ \Omega$ , $C_L = 35\text{ pF}$                                         |
|                                            | 55         | 60             | 65                           | ns max                                 | $V_S = 1.5\text{ V}$ ; see Figure 16                                              |
| $t_{OFF}$                                  | 9          |                |                              | ns typ                                 | $R_L = 50\ \Omega$ , $C_L = 35\text{ pF}$                                         |
|                                            | 15         | 18             | 21                           | ns max                                 | $V_S = 1.5\text{ V}$ ; see Figure 16                                              |
| Charge Injection                           | 10         |                |                              | pC typ                                 | $V_S = 1.5\text{ V}$ , $R_S = 0\ \Omega$ , $C_L = 1\text{ nF}$ ; see Figure 17    |
| Off Isolation                              | −61        |                |                              | dB typ                                 | $R_L = 50\ \Omega$ , $C_L = 5\text{ pF}$ , $f = 100\text{ kHz}$ ; see Figure 18   |
| Bandwidth −3 dB                            | 12         |                |                              | MHz typ                                | $R_L = 50\ \Omega$ , $C_L = 5\text{ pF}$ ; see Figure 19                          |
| $C_S$ (Off)                                | 180        |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                |
| $C_D$ (Off)                                | 180        |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                |
| $C_D$ , $C_S$ (On)                         | 420        |                |                              | pF typ                                 | $f = 1\text{ MHz}$                                                                |
| <b>POWER REQUIREMENTS</b>                  |            |                |                              |                                        |                                                                                   |
| $I_{DD}$                                   | 0.001      |                |                              | $\mu\text{A}$ typ                      | $V_{DD} = 3.6\text{ V}$                                                           |
|                                            |            | 1.0            | 2.0                          | $\mu\text{A}$ max                      | Digital inputs = 0 V or 3.6 V                                                     |

<sup>1</sup> On resistance parameters tested with  $I_S = 10\text{ mA}$ .

<sup>2</sup> Guaranteed by design, not subject to production test.

## ABSOLUTE MAXIMUM RATINGS

$T_A = 25^\circ\text{C}$ , unless otherwise noted.

**Table 3.**

| Parameter                              | Rating                                                      |
|----------------------------------------|-------------------------------------------------------------|
| $V_{DD}$ to GND                        | −0.3 V to +7 V                                              |
| Analog Inputs <sup>1</sup>             | −0.3 V to $V_{DD} + 0.3$ V or 30 mA, whichever occurs first |
| Digital Inputs <sup>1</sup>            | −0.3 V to $V_{DD} + 0.3$ V or 30 mA, whichever occurs first |
| Continuous Current, Pin S or Pin D     | 400 mA                                                      |
| Peak Current, Pin S or Pin D           | 800 mA, pulsed at 1 ms, 10% duty cycle max                  |
| Operating Temperature Range Automotive | −40°C to +125°C                                             |
| Storage Temperature Range              | −65°C to +150°C                                             |
| Junction Temperature ( $T_{JMAX}$ )    | 150°C                                                       |
| Package Power Dissipation MSOP         | $(T_{JMAX} - T_A)/\theta_{JA}$                              |
| $\theta_{JA}$ Thermal Impedance        | 206°C/W                                                     |
| $\theta_{JC}$ Thermal Impedance        | 44°C/W                                                      |
| SOT-23 (4-Layer Board)                 |                                                             |
| $\theta_{JA}$ Thermal Impedance        | 119°C/W                                                     |
| $\theta_{JC}$ Thermal Impedance        | 91.99°C/W                                                   |
| Lead Temperature, Soldering (10 sec)   | 300°C                                                       |
| IR Reflow, Peak Temperature (<20 sec)  | 235°C                                                       |
| Reflow Soldering (Pb-Free)             |                                                             |
| Peak Temperature                       | 260(+0/−5)°C                                                |
| Time at Peak Temperature               | 10 sec to 40 sec                                            |

<sup>1</sup> Overvoltages at Pin IN, Pin S, or Pin D are clamped by internal diodes. Current should be limited to the maximum ratings provided.

Stresses above those listed under Absolute Maximum Ratings may cause permanent damage to the device. This is a stress rating only; functional operation of the device at these or any other conditions above those indicated in the operational section of this specification is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

**Table 4. Truth Table**

| ADG801 (Pin IN) | ADG802 (Pin IN) | Switch Condition |
|-----------------|-----------------|------------------|
| 0               | 1               | Off              |
| 1               | 0               | On               |

### ESD CAUTION



**ESD (electrostatic discharge) sensitive device.** Charged devices and circuit boards can discharge without detection. Although this product features patented or proprietary protection circuitry, damage may occur on devices subjected to high energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

PIN CONFIGURATIONS AND FUNCTION DESCRIPTIONS

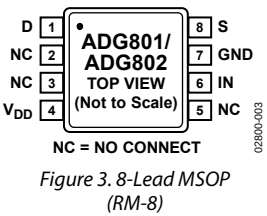
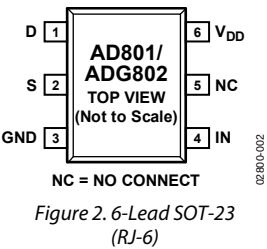


Table 5. Pin Function Descriptions

| Pin Number |         | Mnemonic        | Description                                    |
|------------|---------|-----------------|------------------------------------------------|
| SOT-23     | MSOP    |                 |                                                |
| 1          | 1       | D               | Drain Terminal. Can be an input or an output.  |
| 2          | 8       | S               | Source Terminal. Can be an input or an output. |
| 3          | 7       | GND             | Ground (0 V) Reference.                        |
| 4          | 6       | IN              | Logic Control Input.                           |
| 5          | 2, 3, 5 | NC              | No Connect. Do not connect to this pin.        |
| 6          | 4       | V <sub>DD</sub> | Most Positive Power Supply Potential.          |

## TYPICAL PERFORMANCE CHARACTERISTICS

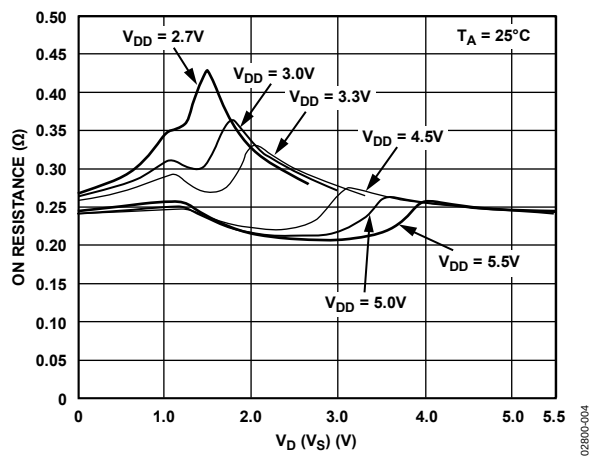
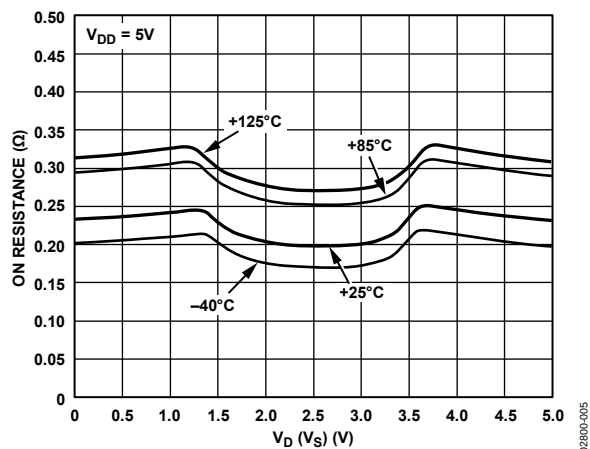
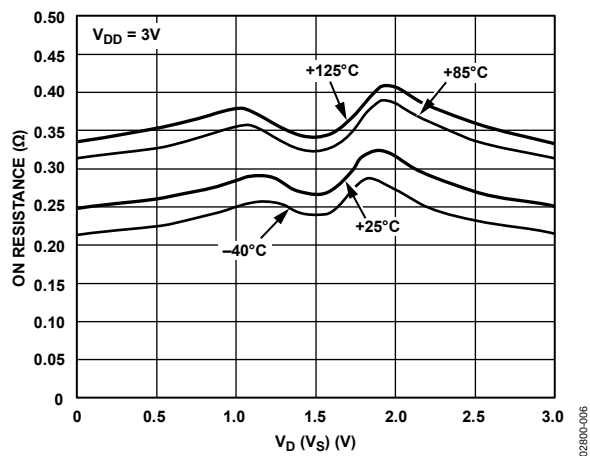
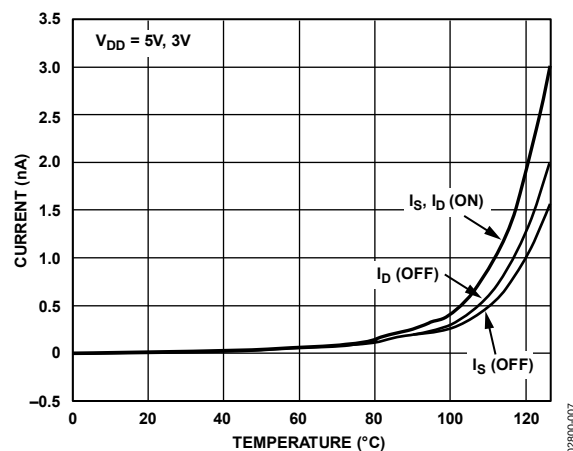
Figure 4. On Resistance vs.  $V_D$  ( $V_S$ )Figure 5. On Resistance vs.  $V_D$  ( $V_S$ ) for Different TemperaturesFigure 6. On Resistance vs.  $V_D$  ( $V_S$ ) for Different Temperatures

Figure 7. Leakage Current vs. Temperature

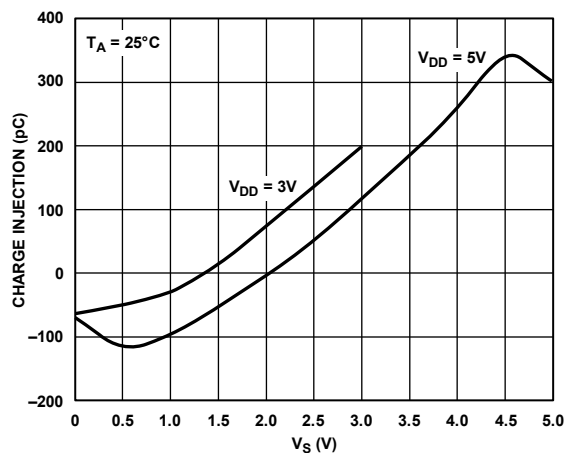
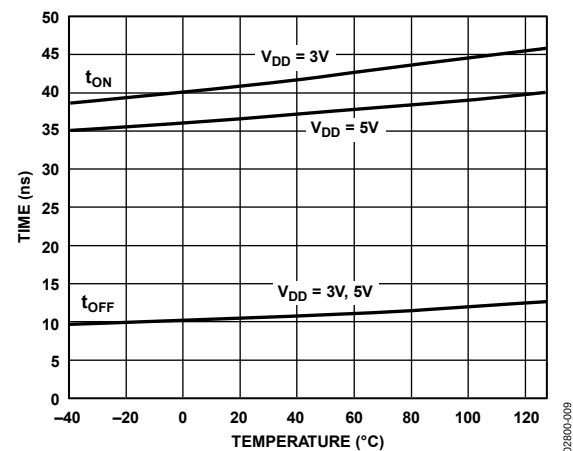


Figure 8. Charge Injection vs. Source Voltage

Figure 9.  $t_{ON}/t_{OFF}$  Times vs. Temperature

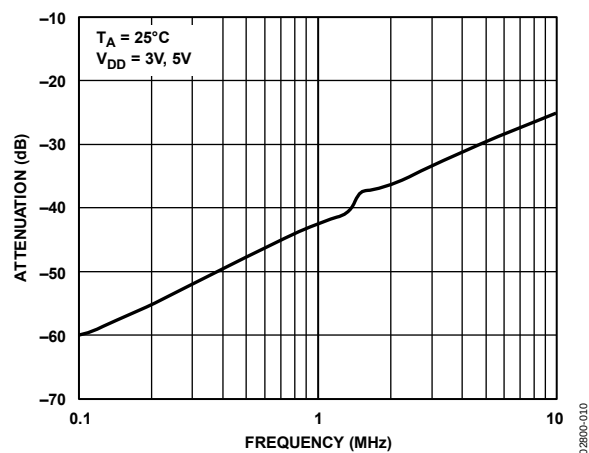


Figure 10. Off Isolation vs. Frequency

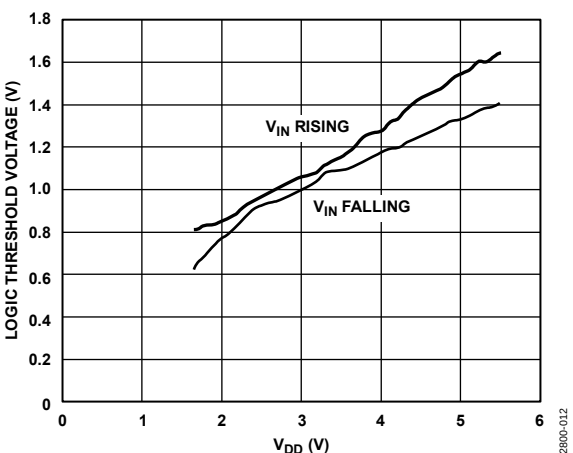


Figure 12. Logic Threshold Voltage vs. Supply Voltage

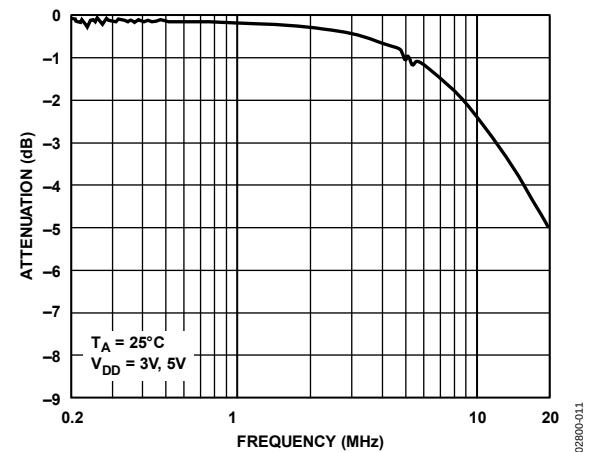


Figure 11. On Response vs. Frequency



## TERMINOLOGY

**V<sub>DD</sub>**

The most positive power supply potential.

**I<sub>DD</sub>**

Positive supply current.

**GND**

Ground (0 V) reference.

**S**

The source terminal can be an input or an output.

**D**

The drain terminal can be an input or an output.

**IN**

Logic control input.

**V<sub>D</sub> (V<sub>S</sub>)**

Analog voltage on Terminal D and Terminal S.

**R<sub>ON</sub>**

Ohmic resistance between Terminal D and Terminal S.

**R<sub>FLAT(ON)</sub>**

The difference between the maximum and minimum value of on resistance as measured over the specified analog signal range.

**I<sub>S</sub> (Off)**

Source leakage current with the switch off.

**I<sub>D</sub> (Off)**

Drain leakage current with the switch off.

**I<sub>D</sub>, I<sub>S</sub> (On)**

Channel leakage current with the switch on.

**V<sub>INL</sub>**

Maximum input voltage for Logic 0.

**V<sub>INH</sub>**

Minimum input voltage for Logic 1.

**I<sub>INL</sub> (I<sub>INH</sub>)**

Input current of the digital input.

**C<sub>S</sub> (Off)**

The off switch source capacitance is measured with reference to ground.

**C<sub>D</sub> (Off)**

The off switch drain capacitance is measured with reference to ground.

**C<sub>D</sub>, C<sub>S</sub> (On)**

The on switch capacitance is measured with reference to ground.

**C<sub>IN</sub>**

Digital input capacitance.

**t<sub>ON</sub>**

The delay between applying the digital control input and when the output switches on. See Figure 16.

**t<sub>OFF</sub>**

The delay between applying the digital control input and when the output switches off.

**Charge Injection**

A measure of the glitch impulse transferred from the digital input to the analog output during switching.

**Off Isolation**

A measure of unwanted signal coupling through an off switch.

**Bandwidth**

The frequency at which the output is attenuated by 3 dB.

**On Response**

The frequency response of the on switch.

**Insertion Loss**

The loss due to the on resistance of the switch.

## TEST CIRCUITS

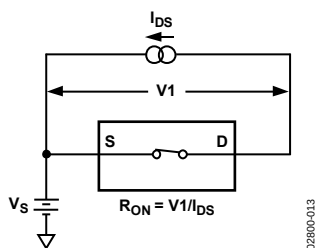


Figure 13. On Resistance

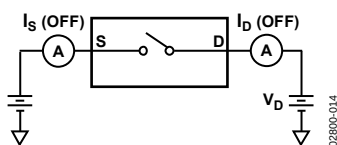


Figure 14. Off Leakage

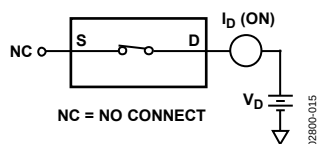


Figure 15. On Leakage

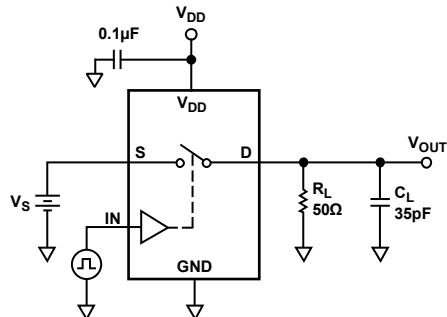


Figure 16. Switching Times

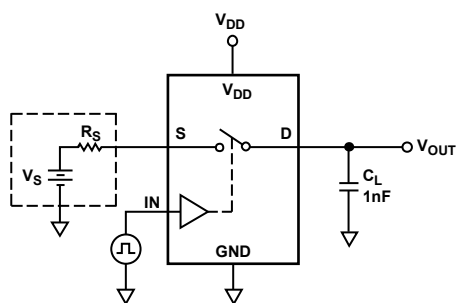
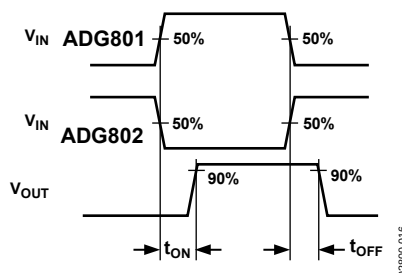
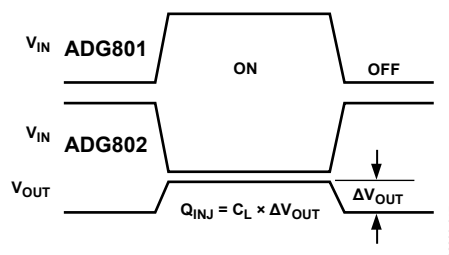


Figure 17. Charge Injection



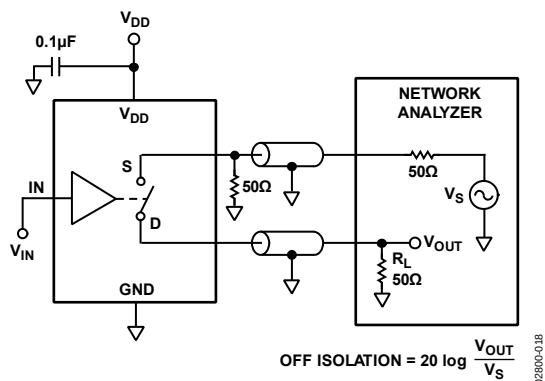


Figure 18. Off Isolation

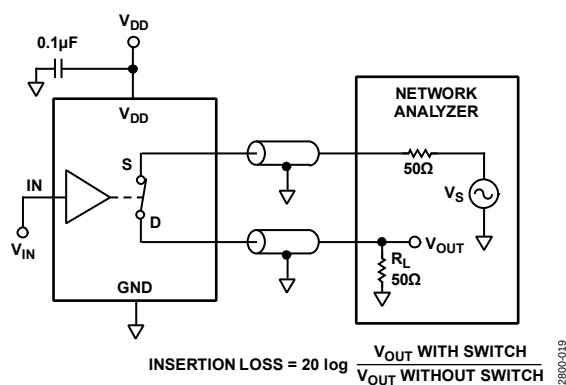
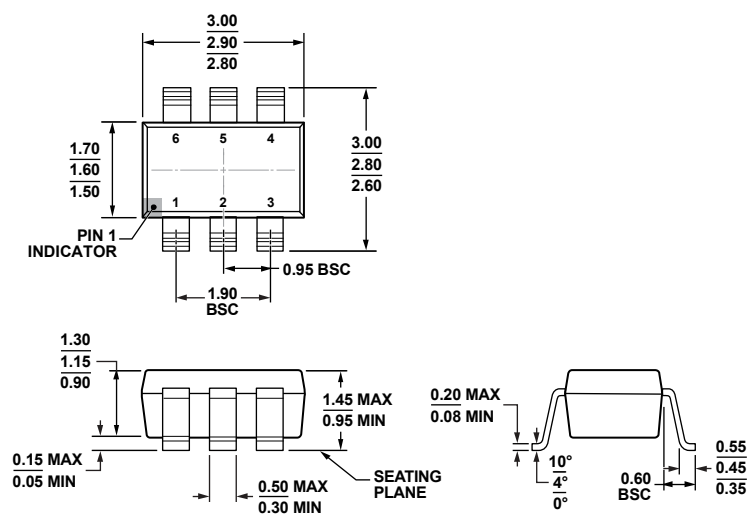


Figure 19. Bandwidth

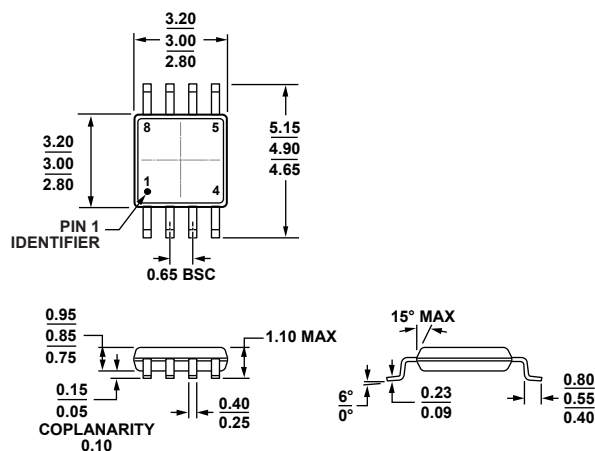
## OUTLINE DIMENSIONS



COMPLIANT TO JEDEC STANDARDS MO-178-AB

Figure 20. 6-Lead Small Outline Transistor Package [SOT-23]  
(RJ-6)

Dimensions shown in millimeters



COMPLIANT TO JEDEC STANDARDS MO-187-AA

Figure 21. 8-Lead Mini Small Outline Package [MSOP]  
(RM-8)

Dimensions shown in millimeters

## ORDERING GUIDE

| Model <sup>1</sup> | Temperature Range | Package Description                              | Package Option | Branding <sup>2</sup> |
|--------------------|-------------------|--------------------------------------------------|----------------|-----------------------|
| ADG801BRM          | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SLB                   |
| ADG801BRM-REEL     | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SLB                   |
| ADG801BRM-REEL7    | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SLB                   |
| ADG801BRMZ         | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S06                   |
| ADG801BRMZ-REEL    | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S06                   |
| ADG801BRMZ-REEL7   | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S06                   |
| ADG801BRT-500RL7   | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | SLB                   |
| ADG801BRT-REEL7    | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | SLB                   |
| ADG801BRTZ-500RL7  | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S06                   |
| ADG801BRTZ-REEL    | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S06                   |
| ADG801BRTZ-REEL7   | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S06                   |
| ADG802BRM          | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SMB                   |
| ADG802BRM-REEL     | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SMB                   |
| ADG802BRM-REEL7    | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | SMB                   |
| ADG802BRMZ         | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S0F                   |
| ADG802BRMZ-REEL    | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S0F                   |
| ADG802BRMZ-REEL7   | –40°C to +125°C   | 8-Lead Mini Small Outline Package [MSOP]         | RM-8           | S0F                   |
| ADG802BRT-500RL7   | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | SMB                   |
| ADG802BRTZ-500RL7  | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S0F                   |
| ADG802BRTZ-REEL    | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S0F                   |
| ADG802BRTZ-REEL7   | –40°C to +125°C   | 6-Lead Small Outline Transistor Package [SOT-23] | RJ-6           | S0F                   |

<sup>1</sup> Z = RoHS Compliant Part.<sup>2</sup> Branding on SOT-23 and MSOP packages is limited to three characters due to space constraints.

**NOTES**

## NOTES

## **NOTES**