## FEATURES

Low Cost Single (AD8055) and Dual (AD8056)
Easy to Use Voltage Feedback Architecture High Speed
$300 \mathrm{MHz},-3 \mathrm{~dB}$ Bandwidth ( $\mathbf{G}=+1$ )
1400 V/ $\mu \mathrm{s}$ Slew Rate
20 ns Settling to 0.1\%
Low Distortion: -72 dBc @ 10 MHz
Low Noise: $6 \mathrm{nV} / \sqrt{\mathrm{Hz}}$
Low DC Errors: $\mathbf{5} \mathbf{~ m V}$ Max $\mathrm{V}_{\mathrm{os}}, 1.2 \mu \mathrm{~A} \mathrm{Max}_{\mathrm{B}}$ Small Packaging

AD8055 Available in SOT-23-5
AD8056 Available in 8-Lead microSOIC
Excellent Video Specifications ( $\mathrm{R}_{\mathrm{L}}=150 \Omega, \mathrm{G}=+\mathbf{2}$ )
Gain Flatness 0.1 dB to 40 MHz
0.01\% Differential Gain Error
$0.02^{\circ}$ Differential Phase Error
Drives Four Video Loads ( $37.5 \Omega$ ) with $\mathbf{0 . 0 2 \%}$ and $0.1^{\circ}$ Differential Gain and Differential Phase
Low Power, $\pm 5$ V Supplies
5 mA Typ/Amplifier Power Supply Current
High Output Drive Current: Over 60 mA
APPLICATIONS
Imaging
Photodiode Preamp
Video Line Driver
Differential Line Driver
Professional Cameras
Video Switchers
Special Effects
A-to-D Driver
Active Filters

## PRODUCT DESCRIPTION

The AD8055 (single) and AD8056 (dual) voltage feedback amplifiers offer bandwidth and slew rate typically found in current feedback amplifiers. Additionally, these amplifiers are easy to use and available at a very low cost.

Despite their low cost, the AD8055 and AD8056 provide excellent overall performance. For video applications, their differential gain and phase error are $0.01 \%$ and $0.02^{\circ}$ into a $150 \Omega$ load, and $0.02 \%$ and $0.1^{\circ}$ while driving four video loads ( $37.5 \Omega$ ). Their 0.1 dB flatness out to 40 MHz , wide bandwidth out to 300 MHz , along with $1400 \mathrm{~V} / \mu \mathrm{s}$ slew rate and 20 ns settling time, make them useful for a variety of high-speed applications.

## REV. E

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## FUNCTIONAL BLOCK DIAGRAMS



N-8, R-8, microSOIC (RM)


The AD8055 and AD8056 require only 5 mA typ/amplifier of supply current and operate on dual $\pm 5 \mathrm{~V}$ or single +12 V power supply, while being capable of delivering over 60 mA of load current. All this is offered in a small 8-lead plastic DIP, 8-lead SOIC packages, 5-lead SOT-23-5 package (AD8055) and an 8 -lead microSOIC package (AD8056). These features make the AD8055/AD8056 ideal for portable and battery powered applications where size and power are critical. These amplifiers are available in the industrial temperature range of $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$.


Figure 1. Frequency Response

AD8055/AD8056-SPECIFICATIONS unless otherwise noted)

| Model | Conditions | AD8055A/AD8056A |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Min | Typ | Max |  |
| DYNAMIC PERFORMANCE |  |  |  |  |  |
| -3 dB Bandwidth | $\mathrm{G}=+1, \mathrm{~V}_{\mathrm{O}}=0.1 \mathrm{~V}$ p-p | 220 | 300 |  | MHz |
|  | $\mathrm{G}=+1, \mathrm{~V}_{\mathrm{O}}=2 \mathrm{~V}-\mathrm{p}$ | 125 | 150 |  | MHz |
|  | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=0.1 \mathrm{~V} \mathrm{p}-\mathrm{p}$ | 120 | 160 |  | MHz |
|  | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=2 \mathrm{~V}$ p-p | 125 | 150 |  | MHz |
| Bandwidth for 0.1 dB FlatnessSlew Rate | $\mathrm{V}_{\mathrm{O}}=100 \mathrm{mV}$ p-p | 25 | 40 |  | MHz |
|  | $\mathrm{G}=+1, \mathrm{~V}_{\mathrm{O}}=4 \mathrm{~V}$ Step | 1000 | 1400 |  | V/ $/ \mathrm{s}$ |
|  | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=4 \mathrm{~V}$ Step | 750 | 840 |  | V/ $/$ s |
| Settling Time to 0.1\% | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=2 \mathrm{~V}$ Step |  | 20 |  | ns |
| Rise and Fall Time, 10\% to 90\% | $\mathrm{G}=+1, \mathrm{~V}_{\mathrm{O}}=0.5 \mathrm{~V}$ Step |  | 2 |  | ns |
|  | $\mathrm{G}=+1, \mathrm{~V}_{\mathrm{O}}=4 \mathrm{~V}$ Step |  | 2.7 |  | ns |
|  | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=0.5 \mathrm{~V}$ Step |  | 2.8 |  | ns |
|  | $\mathrm{G}=+2, \mathrm{~V}_{\mathrm{O}}=4 \mathrm{~V}$ Step |  | 4 |  | ns |
| NOISE/HARMONIC PERFORMANCE <br> Total Harmonic Distortion |  |  |  |  |  |
|  | $\begin{aligned} & \mathrm{f}_{\mathrm{C}}=10 \mathrm{MHz}, \mathrm{~V}_{\mathrm{O}}=2 \mathrm{~V} \mathrm{p}-\mathrm{p}, \mathrm{R}_{\mathrm{L}}=1 \mathrm{k} \Omega \\ & \mathrm{f}_{\mathrm{C}}=20 \mathrm{MHz}, \mathrm{~V}_{\mathrm{O}}=2 \mathrm{~V}-\mathrm{p}, \mathrm{R}_{\mathrm{L}}=1 \mathrm{k} \Omega \end{aligned}$ | -72 |  |  | dBc |
|  |  | -57 |  |  | dBc |
| Crosstalk, Output to Output (AD8056) | $\mathrm{f}=5 \mathrm{MHz}, \mathrm{G}=+2$ | -60 |  |  |  |
| Input Voltage Noise | $\mathrm{f}=100 \mathrm{kHz}$ | 6 |  |  | $\mathrm{nV} / \sqrt{\mathrm{Hz}}$ |
| Input Current Noise | $\mathrm{f}=100 \mathrm{kHz}$ | 1 |  |  | $\mathrm{pA} / \sqrt{\mathrm{Hz}}$ |
| Differential Gain Error | NTSC, $\mathrm{G}=+2, \mathrm{R}_{\mathrm{L}}=150 \Omega$ | 0.01 |  |  |  |
|  | $\mathrm{R}_{\mathrm{L}}=37.5 \Omega$ | 0.02 |  |  |  |
| Differential Phase Error | NTSC, $\mathrm{G}=+2, \mathrm{R}_{\mathrm{L}}=150 \Omega$ | 0.02 |  |  | Degree |
|  | $\mathrm{R}_{\mathrm{L}}=37.5 \Omega$ | 0.1 |  |  | Degree |
| DC PERFORMANCE Input Offset Voltage | $\mathrm{T}_{\text {MIN }}-\mathrm{T}_{\text {MAX }}$ | 3 |  |  | mV |
|  |  |  |  | 5 |  |
|  |  |  |  | 10 | $\begin{aligned} & \mathrm{mV} \\ & \mu \mathrm{~V} /{ }^{\circ} \mathrm{C} \end{aligned}$ |
| Offset Drift |  | 6664 | 6 |  |  |
| Input Bias Current |  |  | 0.4 | 1.2 | $\mu \mathrm{A}$ |
| Open Loop Gain | $\mathrm{T}_{\text {MIN }}-\mathrm{T}_{\text {MAX }}$ |  | 1 |  | $\mu \mathrm{A}$ |
|  | $\mathrm{V}_{\mathrm{O}}= \pm 2.5 \mathrm{~V}$ |  | 71 |  | dBdB |
|  | $\mathrm{T}_{\text {MIN }}-\mathrm{T}_{\text {MAX }}$ |  |  |  |  |
| INPUT CHARACTERISTICS |  |  |  |  |  |
| Input Resistance | $\mathrm{V}_{\mathrm{CM}}= \pm 2.5 \mathrm{~V}$ | 10 |  |  | $\mathrm{M} \Omega$ |
| Input Capacitance |  |  | 2 |  | pF |
| Input Common-Mode Voltage Range |  |  | 3.2 |  | $\pm \mathrm{V}$ |
| Common-Mode Rejection Ratio |  |  | 82 |  | dB |
| OUTPUT CHARACTERISTICS |  |  |  |  |  |
| Output Voltage Swing | $\mathrm{R}_{\mathrm{L}}=150 \Omega$ | 2.9 | 3.1 |  | $\pm \mathrm{V}$ |
| Output Current ${ }^{1}$ | $\mathrm{V}_{\mathrm{O}}= \pm 2.0 \mathrm{~V}$ | 55 | 60 |  | mA |
| Short Circuit Current ${ }^{1}$ |  |  | 110 |  | mA |
| POWER SUPPLY |  |  |  |  |  |
| Operating Range |  | $\pm 4.0$ | $\pm 5.0$ | $\pm 6.0$ | V |
| Quiescent Current | AD8055 |  | 5.4 | 6.5 | mA |
|  |  |  |  | 7.3 | mA |
|  | AD8056 |  | 10 | 12 | mA |
|  | $\begin{aligned} & \mathrm{T}_{\mathrm{MIN}}-\mathrm{T}_{\mathrm{MAX}} \\ & +\mathrm{V}_{\mathrm{S}}=+5 \mathrm{~V} \text { to }+6 \mathrm{~V},-\mathrm{V}_{\mathrm{S}}=-5 \mathrm{~V} \end{aligned}$ |  |  | 13.3 | mA |
| Power Supply Rejection Ratio |  | 66 | 72 |  | $\begin{aligned} & \mathrm{dB} \\ & \mathrm{~dB} \end{aligned}$ |
|  | $\begin{aligned} & +\mathrm{V}_{\mathrm{S}}=+5 \mathrm{~V} \text { to }+6 \mathrm{~V},-\mathrm{V}_{\mathrm{S}}=-5 \mathrm{~V} \\ & -\mathrm{V}_{\mathrm{S}}=-5 \mathrm{~V} \text { to }-6 \mathrm{~V},+\mathrm{V}_{\mathrm{S}}=+5 \mathrm{~V} \end{aligned}$ | 69 | 86 |  |  |
| OPERATING TEMPERATURE RANGE |  | -40 |  | +85 | ${ }^{\circ} \mathrm{C}$ |

## NOTES

${ }^{1}$ Output current is limited by the maximum power dissipation in the package. See the power derating curves.
Specifications subject to change without notice.
ABSOLUTE MAXIMUM RATINGS ${ }^{1}$
Supply Voltage ..... 13.2 V
Internal Power Dissipation ${ }^{2}$
Plastic DIP Package (N) ..... 1.3 W
Small Outline Package (R) ..... 0.8 W
SOT-23-5 Package (RT) ..... 0.5 W
microSOIC Package (RM) ..... 0.6 W
Input Voltage (Common Mode) ..... $\pm \mathrm{V}_{\mathrm{S}}$
Differential Input Voltage ..... $\pm 2.5 \mathrm{~V}$
Output Short Circuit Duration. Observe Power Derating CurvesStorage Temperature Range N, R . . . . . . . $-65^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$Operating Temperature Range (A Grade) . . $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$Lead Temperature Range (Soldering 10 sec ) . . . . . . . . $300^{\circ} \mathrm{C}$

## NOTES

${ }^{1}$ 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.
${ }^{2}$ Specification is for device in free air:
8-Lead Plastic DIP Package: $\theta_{\mathrm{JA}}=90^{\circ} \mathrm{C} / \mathrm{W}$
8 -Lead SOIC Package: $\theta_{\mathrm{JA}}=155^{\circ} \mathrm{C} / \mathrm{W}$
5-Lead SOT-23-5 Package: $\theta_{\mathrm{JA}}=240^{\circ} \mathrm{C} / \mathrm{W}$
8 -Lead microSOIC Package: $\theta_{\mathrm{JA}}=200^{\circ} \mathrm{C} / \mathrm{W}$

## MAXIMUM POWER DISSIPATION

The maximum power that can be safely dissipated by the AD8055/ AD8056 is limited by the associated rise in junction temperature. The maximum safe junction temperature for plastic encapsulated devices is determined by the glass transition temperature of the
plastic, approximately $150^{\circ} \mathrm{C}$. Exceeding this limit temporarily may cause a shift in parametric performance due to a change in the stresses exerted on the die by the package. Exceeding a junction temperature of $175^{\circ} \mathrm{C}$ for an extended period can result in device failure.

While the AD8055/AD8056 are internally short circuit protected, this may not be sufficient to guarantee that the maximum junction temperature $\left(150^{\circ} \mathrm{C}\right)$ is not exceeded under all conditions. To ensure proper operation, it is necessary to observe the maximum power derating curves.


Figure 2. Plot of Maximum Power Dissipation vs. Temperature for AD8055/AD8056

ORDERING GUIDE

| Model | Temperature Range | Package Description | Package Option | Branding Code |
| :---: | :---: | :---: | :---: | :---: |
| AD8055AN | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | Plastic DIP | N-8 |  |
| AD8055AR | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | Small Outline Package (SOIC) | SO-8 |  |
| AD8055AR-REEL | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 13" Tape and Reel | SO-8 |  |
| AD8055AR-REEL7 | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 7" Tape and Reel | SO-8 |  |
| AD8055ART-REEL | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 13" Tape and Reel | RT-5 | H3A |
| AD8055ART-REEL7 | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 7" Tape and Reel | RT-5 | H3A |
| AD8056AN | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | Plastic DIP | N-8 |  |
| AD8056AR | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | Small Outline Package (SOIC) | SO-8 |  |
| AD8056AR-REEL | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 13" Tape and Reel | SO-8 |  |
| AD8056AR-REEL7 | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 7" Tape and Reel | SO-8 |  |
| AD8056ARM | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | microSOIC | RM-8 | H5A |
| AD8056ARM-REEL | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 13" Tape and Reel | RM-8 | H5A |
| AD8056ARM-REEL7 | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | 7" Tape and Reel | RM-8 | H5A |

## CAUTION

ESD (electrostatic discharge) sensitive device. Electrostatic charges as high as 4000 V readily accumulate on the human body and test equipment and can discharge without detection. Although the AD8055/AD8056 features proprietary ESD protection circuitry, permanent damage may occur on devices subjected to high-energy electrostatic discharges. Therefore, proper ESD precautions are recommended to avoid performance degradation or loss of functionality.

## AD8055/AD8056-Typical Performance Characteristics



TPC 1. Test Circuit, $G=+1, R_{L}=100 \Omega$


TPC 2. Small Step Response, $G=+1$


TPC 3. Large Step Response, $G=+1$


TPC 4. Test Circuit, $G=-1, R_{L}=100 \Omega$


TPC 5. Small Step Response, $G=-1$


TPC 6. Large Step Response, $G=-1$


TPC 7. Small Signal Frequency Response, $G=+1, G=+2, G=+5, G=+10$


TPC 8. Large Signal Frequency Response, $G=+1, G=+2, G=+5, G=+10$


TPC 9. 0.1 dB Flatness


TPC 10. Distortion vs. Frequency


TPC 11. Distortion vs. Frequency


TPC 12. Distortion vs. V

## AD8055/AD8056



TPC 13. Risetime and Falltime vs. $V_{I N}$


TPC 14. Risetime and Falltime vs. $V_{I N}$


TPC 15. Settling Time


TPC 16. Risetime and Falltime vs. $V_{I N}$


TPC 17. Risetime and Falltime vs. $V_{I N}$


TPC 18. PSRR vs. Frequency


TPC 19. Overload Recovery


TPC 20. Crosstalk (Output-to-Output) vs. Frequency


TPC 21. CMRR vs. Frequency


TPC 22. Overload Recovery

TPC 23. Open Loop Gain vs. Frequency


TPC 24. Phase vs. Frequency

## AD8055/AD8056



TPC 25. Differential Gain and Differential Phase


TPC 26. Differential Gain and Differential Phase


TPC 27. Output Swing vs. Temperature


TPC 28. Voltage Noise vs. Frequency


TPC 29. Current Noise vs. Frequency


TPC 30. Output Impedance vs. Frequency

## APPLICATIONS

## Four-Line Video Driver

The AD8055 is a useful low cost circuit for driving up to four video lines. For such an application, the amplifier is configured for a noninverting gain of 2 as shown in Figure 3. The input video source is terminated in $75 \Omega$ and applied to the high impedance noninverting input.
Each output cable is connected to the op amp output via a $75 \Omega$ series back termination resistor for proper cable termination. The terminating resistors at the other ends of the lines will divide the output signal by two, which is compensated for by the gain-of-two of the op amp stage.

For a single load, the differential gain error of this circuit was measured to be $0.01 \%$, with a differential phase error of 0.02 degrees. The two load measurements were $0.02 \%$ and 0.03 degrees, respectively. For four loads, the differential gain error is $0.02 \%$, while the differential phase increases to 0.1 degrees.


Figure 3. Four-Line Video Driver

## Single-Ended to Differential Line Driver

Creating differential signals from single-ended signals is required for driving balanced, twisted pair cables, differential input A/D converters and other applications that require differential signals. This is sometimes accomplished by using an inverting and a noninverting amplifier stage to create the complementary signals.
The circuit shown in Figure 4 shows how an AD8056 can be used to make a single-ended to differential converter that offers some advantages over the architecture mentioned above. Each op amp is configured for unity gain by the feedback resistors from the outputs to the inverting inputs. In addition, each output drives the opposite op amp with a gain of -1 by means of the crossed resistors. The result of this is that the outputs are complementary and there is high gain in the overall configuration.
Feedback techniques similar to a conventional op amp are used to control the gain of the circuit. From the noninverting input of Amp 1 to the output of Amp 2, is an inverting gain. Between these points a feedback resistor can be used to close the loop. As in the case of a conventional op amp inverting gain stage, an input resistor is added to vary the gain.

The gain of this circuit from the input to Amp 1 output is $R_{F} / R_{I}$, while the gain to the output of Amp 2 is $-\mathrm{R}_{\mathrm{F}} / \mathrm{R}_{\mathrm{I}}$. The circuit thus creates a balanced differential output signal from a single-ended input. The advantage of this circuit is that the gain can be changed by changing a single resistor and still maintain the balanced differential outputs.


Figure 4. Single-Ended to Differential Line Driver

## Low Noise, Low Power Preamp

The AD8055 makes a good, low cost, low noise, low power preamp. A gain of 10 preamp can be made with a feedback resistor of $909 \Omega$ and a gain resistor of $100 \Omega$ as shown in Figure 5. The circuit has a -3 dB bandwidth of 20 MHz .


Figure 5. Low Noise, Low Power Preamp with $G=+10$ and $B W=20 \mathrm{MHz}$
With a low source resistance (<approximately $100 \Omega$ ), the major contributors to the input referred noise of this circuit are the input voltage noise of the amplifier and the noise of the $100 \Omega$ resistor. These are $6 \mathrm{nV} / \sqrt{\mathrm{Hz}}$ and $1.2 \mathrm{nV} / \sqrt{\mathrm{Hz}}$, respectively. These values yield a total input referred noise of $6.1 \mathrm{nV} / \sqrt{\mathrm{Hz}}$.

## AD8055/AD8056

## Power Dissipation Limits

With a 10 V supply ( total $\mathrm{V}_{\mathrm{CC}}-\mathrm{V}_{\mathrm{EE}}$ ), the quiescent power dissipation of the AD8055 in the SOT-23-5 package is 65 mW , while the quiescent power dissipation of the AD 8056 in the microSOIC is 120 mW . This translates into a $15.6^{\circ} \mathrm{C}$ rise above the ambient for the SOT-23-5 package and a $24^{\circ} \mathrm{C}$ rise for the microSOIC package.
The power dissipated under heavy load conditions is approximately equal to the supply voltage minus the output voltage, times the load current, plus the quiescent power computed above. This total power dissipation is then multiplied by the thermal resistance of the package to find the temperature rise, above ambient, of the part. The junction temperature should be kept below $150^{\circ} \mathrm{C}$.
The AD8055 in the SOT-23-5 package can dissipate 270 mW while the AD8056 in the microSOIC package can dissipate 325 mW (at $85^{\circ} \mathrm{C}$ ambient) without exceeding the maximum die temperature. In the case of the AD 8056 , this is greater than 1.5 V rms into $50 \Omega$, enough to accommodate a 4 V p-p sine-wave signal on both outputs simultaneously. But since each output of the AD8055 or AD8056 is capable of supplying as much as 110 mA into a short circuit, a continuous short circuit condition will exceed the maximum safe junction temperature.

## Resistor Selection

The following table is provided as a guide to resistor selection for maintaining gain flatness vs. frequency for various values of gain.

| Gain | $\mathbf{R}_{\mathbf{F}}(\boldsymbol{\Omega})$ | $\mathbf{R}_{\mathbf{I}}(\boldsymbol{\Omega})$ | $\mathbf{- 3 ~ d B}$ <br> Bandwidth <br> $\mathbf{( M H z )}$ |
| :--- | :--- | :--- | :--- |
| +1 | 0 | - | 300 |
| +2 | 402 | 402 | 160 |
| +5 | 1 k | 249 | 45 |
| +10 | 909 | 100 | 20 |

## Driving Capacitive Loads

When driving a capacitive load, most op amps will exhibit peaking in the frequency response just before the frequency rolls off. Figure 6 shows the responses for an AD 8056 running at a gain of +2 , with a $100 \Omega$ load that is shunted by various values of capacitance. It can be seen that under these conditions, the part is still stable with capacitive loads of up to 30 pF .


Figure 6. Capacitive Load Drive
In general, to minimize peaking or to ensure the stability for larger values of capacitive loads, a small series resistor, $\mathrm{R}_{\mathrm{S}}$, can be added between the op amp output and the capacitor, $\mathrm{C}_{\mathrm{L}}$. For the setup depicted in Figure 7, the relationship between $\mathrm{R}_{\mathrm{S}}$ and $\mathrm{C}_{\mathrm{L}}$ was empirically derived and is shown in Figure 8. $\mathrm{R}_{\mathrm{S}}$ was chosen to produce less than 1 dB of peaking in the frequency response. Note also that after a sharp rise $\mathrm{R}_{\mathrm{S}}$ quickly settles to about $25 \Omega$.


Figure 7. Setup for $R_{S}$ vs. $C_{L}$


Figure 8. $R_{S}$ vs. $C_{L}$

## OUTLINE DIMENSIONS

Dimensions shown in inches and (mm).


## 8-Lead microSOIC Package (RM-8)



## 5-Lead Plastic Surface Mount <br> (RT-5)



## AD8055/AD8056 <br> Revision History

Location Page
7/01-Data Sheet changed from REV. D to REV. E.
TPC 24 replaced with new graph ..... 7
3/01-Data Sheet changed from REV. C to REV. D.
Edit to curve in TPC 23 ..... 7
2/01-Data Sheet changed from REV. B to REV. C.
Edits to text at top of SPECIFICATIONS page ( 65 to $\pm 5$ ) ..... 2


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