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Rev. E

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Sample & Buy

Fully specified for +3 V, +5 V and ±5 V Supplies

Output Swings Rail to Rail

Input Voltage Range Extends 200 mV Below Ground

No Phase Reversal with Inputs 1 V Beyond Supplies

Disable/Power-Down Capability

Low Power

High Speed and Fast Settling on 5 V:
160 MHz -3 dB Bandwidth (G = +1)
160 V/μs Slew Rate

30 ns typical Settling Time to 0.1%

Good Video Specifications
(RL = 150 Ω, G = +2)
Gain Flatness of 0.1 dB to 30 MHz
0.03% Differential Gain Error
0.03° Differential Phase Error

Low Distortion
-69 dBc Worst Harmonic @ 10 MHz

Outstanding Load Drive Capability
Drives 50 mA 0.5 V from Supply Rails

Cap Load Drive of 45 pF

Product Details

The AD8041 is a low power voltage feedback, high speed amplifier designed to operate on +3 V, +5 V or ± 5 V supplies. It has true single supply capability with an input voltage range extending 200 mV... [Show More..](#)

Product Lifecycle

Production

At least one model within this product family is in production and available for purchase. The product is appropriate for new designs but newer alternatives may exist.

Documentation

3 See All

1 Data Sheet

2 Radiation Reports

AD8041S: Military Data Sheet (Rev. E)

AD8041S Space Qualified Die Document

AD8041S Low Dose Rate Generic ReportPDF399 kB

AD8041S Generic Radiation ReportPDF353 kB

Design Resources

AD8041S Material Declaration

PCN-PDN Information

Quality And Reliability

Symbols and Footprints

Discussions

AD8041S Discussions

ADG1419 Suitable for a CVBS video mux, resistance modulation

Re: Typical standby power

Re: Equivalent components for space application

All AD8041S Discussions

Reviews

Rate this Product

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Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
5962L9683903VHA PCN	8 ld CerDIP	10	-55 to +125 degrees Celsius	Tray, 0	-	-	N ✓Info	Contact ADI
5962R9683902VHA PCN	10 ld Flat Pack	10	-55 to +125 degrees Celsius	Tray, 19	-	-	N ✓Info	Contact ADI
5962R9683902VPA PCN	8 ld CerDIP	8	-55 to +125 degrees Celsius	Tube, 48	-	-	N ✓Info	Contact ADI
AD8041-000C Notify me	8 ld CerDIP	0	-55 to +125 degrees Celsius	Tray, 210	-	-	N ✓Info	Contact ADI
AD8041R000C Notify me	CHIPS OR DIE	0	-55 to +125 degrees Celsius	Tray, 0	-	-	N ✓Info	Contact ADI

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Check Inventory

The USA list pricing shown is for BUDGETARY USE ONLY, shown in United States dollars (FOB USA per unit for the stated volume), and is subject to change. International prices may differ due to local duties, taxes, fees and exchange rates. For volume-specific price or delivery quotes, please contact your local Analog Devices, Inc. sales office or authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1-piece pricing.

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