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AD534S AD534S



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AD534S

Aerospace Internally Trimmed Precision IC Multiplier

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Features and Benefits

- All Inputs (X, Y and Z) Differential High Impedance for [(X1 - X2) (Y1 - Y2)/10 V] + Z2 Transfer Function
- Scale-Factor Adjustable to Provide up to X100 Gain
- Low Noise Design: 90 μ V rms typical, 10 Hz-10 kHz
- Excellent Long Term Stability

Product Categories

Application Specific

- [Aerospace](#)
- [Military/Aerospace](#)

Product Details

The AD534 is a monolithic laser trimmed four-quadrant multiplier divider having accuracy specifications previously found only in expensive hybrid or modular products. Excellent supply rejection, low temperature coefficients and long term stability of the on-chip thin film resistors and buried Zener reference preserve accuracy even under adverse conditions of use. It is the first multiplier to offer fully differential, high impedance operation on all inputs, including the Z-input, a feature which greatly increases its flex-NC ibility and ease of use. The scale factor is pretrimmed to the standard value of 10.00 V; by means of an external resistor, this can be reduced to values as low as 3 V.

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

AD534S: Standard Military Drawing

AD534S Space Qualified Die Document [PDF](#)

Reference Materials

[1 See All](#)[1 Cross Reference Guides](#)

Cross Reference Guides

JAN to Generic Cross Reference

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

[AD534S Material Declaration](#)

[PCN-PDN Information](#)

[Quality And Reliability](#)

[Symbols and Footprints](#)

Discussions

AD534S Discussions

[Re: AD534 SF Problem](#)

[AD534 SF Problem](#)

[AD534 gain/phase plots](#)



Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
5962-9053701VCA PCN Production	S/B OR B/B CERAMIC DIP	14	-55 to 125C	Tube, 25	-	-	N Info	Contact ADI
AD5340000C PCN Production	CHIPS OR DIE	0	-55 to 125C	Tray, 100	-	-	Y Info	Contact ADI

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[Price Table Help](#)

15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

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