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Linear Actuator with
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Product Overview

ACS712 Low-Noise

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IC

TI's New DRV5x Hall
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Description. New
applications for linear
output Hall-effect
devices, such as

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displacement, angular position, and current measurement, require high accuracy in conjunction with small package size. The Allegro®A1324, A1325, and A1326 linear Hall-effect sensor ICs are designed specifically to achieve both goals.

Low Noise, Linear

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Hall Effect Sensor ICs

with Analog Output

Low-noise output

increases accuracy

Precise recoverability

after temperature

cycling Ratiometric

rail-to-rail output Wide

ambient temperature

range: -40°C to

150°C Immune to

mechanical stress

Solid-state reliability

Enhanced EMC

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performance for
stringent automotive
applications

A1324-A1325-A1326:

Low Noise, Linear
Hall Effect Sensor ICs

This ratiometric Hall-
effect sensor IC

provides a voltage
output that is

proportional to the
applied magnetic

field. Sensitivity and

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quiescent (zero field) output voltage are factory programmed with high resolution which provides for an accuracy of less than $\pm 1\%$, typical, over temperature. The sensor IC incorporates a highly sensitive Hall element with a BiCMOS interface integrated circuit that employs a

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linear, small-signal high-gain amplifier, as well as a low-impedance output stage ...

A1366 Low Noise, High Precision, Linear Hall Effect Sensor IC
Low Noise, Linear Hall Effect Sensor ICs with Analog Output.
Description. New applications for linear

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output Hall-effect devices, such as displacement, angular position, and current measurement, require high accuracy in conjunction with small package size. The Allegro® A1324, A1325, and A1326 linear Hall-effect sensor ICs are designed specifically to achieve both goals.

Download Free Low Noise Linear Hall

Effect Sensor
Low Noise, Linear
Hall Effect Sensor ICs
with Analog Output

Low-Noise, High-
Precision,

Programmable Linear
Hall-Effect Sensor IC
with Regulated

Supply, Advanced
Temperature

Compensation, and
High-Bandwidth (240
kHz) Analog Output

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The Allegro® A1367 programmable linear Hall-effect current sensor IC has been designed to achieve high accuracy and resolution without compromising bandwidth.

Low-Noise, High-Precision,
Programmable Linear
Hall-Effect ...

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Low Noise, High Precision, Factory-Programmed Linear Hall-Effect Sensor IC . with Advanced Temperature Compensation and High Bandwidth (120 kHz) Analog Output. Functional Block Diagram. A1366. V+. Dynamic Offset Cancellation EEPROM and Control

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Logic. VCC. GND

VOUT. Signal

Recovery To all
subcircuits. C.

BYPASS. C. L.

Temperature Sensor

Sensitivity Control

Offset Control

Low Noise, High

Precision, Factory-

Programmed Linear

Hall ...

DRV5053: Low

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frequency noise in linear Hall effect sensors. I am aiming to use a Hall effect sensor to measure slow variations of permanent magnets due to temperature. Therefore the sensor should not compensate for temperature fluctuations of the magnet such as the

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DRV5056 does. I have been testing two linear ratiometric hall effect sensors (among which DRV5056), but I keep suffering from low frequency noise from the Hall sensor.

DRV5053: Low frequency noise in linear Hall effect sensors ...

New Industry

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Products Low-Noise,
High-Precision Linear
Hall-Effect Sensor IC

Low-Noise, High-
Precision Linear Hall-
Effect Sensor IC ...

Description. The
Allegro A1363
programmable linear
Hall-effect current
sensor IC has been
designed to achieve
high accuracy and

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resolution without compromising bandwidth. The goal is achieved through new proprietary linearly interpolated temperature compensation technology that is programmed at the Allegro factory and provides sensitivity and offset that are virtually flat across the

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full operating

temperature range.

A1363:

Programmable Linear

Hall Effect Sensor IC

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Linear Hall Effect

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will categorically be in

the middle of the best

options to review.

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Hall-effect sensors

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are linear Hall

transducers. As a result, such sensors require a linear circuit for processing of the sensor output signal. Such a linear circuit: provides a constant driving current to the sensors,

Hall-effect sensor -
Wikipedia

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Linear Hall Effect Sensor
ICs With Analog Output
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Low Noise Linear Hall
Effect Sensor ICs With
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The SS39ET/SS49E/
SS59ET Series Low-
cost Linear Hall-effect
Sensor ICs are small,
versatile devices that

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are operated by the magnetic field from a permanent magnet or an electromagnet.

The linear sourcing output voltage is set by the supply voltage and varies in proportion to the strength of the magnetic field. The low voltage capability (as low as 2.7 Vdc) and reduced current

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consumption of only 6 mA (typical at 5 Vdc) help make this product energy efficient.

SS39ET Linear and Angle Sensor ICs - Honeywell

The EQ433L is a low-noise linear Hall IC that combines an InAs high-sensitivity Hall element and an

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amplifier circuit using its own assembling technology. Key Features Magnetic sensor with built-in amplifier An analog signal corresponding to the strength of the magnetic field is output, and the linearity is good.

EQ433L | Linear Hall
Effect ICs | Magnetic

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Sensors ...Hall

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SC4621 Programmable Linear Output Hall Effect
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Function Description

Effect Sensor
Overview Power-On

Time: When the

supply is ramped to

its operating voltage,

the device output

requires a finite time

to react to an input

magnetic field. Power-

On Time is defined as

the time it takes for

the output voltage to

begin responding to

Download Free Low Noise Linear Hall Effect Sensor Linear Output Hall Effect Sensor Family High Frequency and

...

Product Overview.
The SS49E is a low cost linear hall effect sensor IC in 3 pin TO-92 package. This small and versatile sensor is operated by magnetic field from

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permanent magnet or an electromagnet. It is designed and manufactured for cost competitiveness. The linear sourcing output voltage is set by supply voltage and varies in proportion to strength of magnetic field.

SS49E Honeywell,
Hall Effect Sensor,

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Linear, 1.5 mA |

Farnell

The Allegro

A1101/2/3/4 and

A1106 Hall-effect

switches are

produced with Bi

CMOS technology

enabling fast power-

on time and low-noise

operation. Device

programming is

performed after

packaging, to ensure

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increased switch-point accuracy by eliminating offsets that could be induced by package stress. Unique Hall element geometries and low offset amplifiers minimise noise ...

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