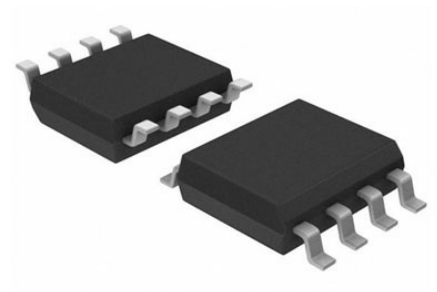


Hall Effect Sensor 50mA Bipolar 5V/9V/12V/15V/18V Automotive 4-Pin SSO Ammo

Manufacturers	Infineon Technologies Corporation
Package/Case	SSO-4
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLE49215UHALA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Infineon's differential Hall effect sensor TLE4921-5U provides a high sensitivity and a superior stability over temperature and symmetrical thresholds in order to achieve a stable duty cycle. TLE4921-5U is particularly suitable for rotational speed detection and timing applications of ferromagnetic toothed wheels such as anti-lock braking systems, transmissions, crankshafts, etc. The integrated circuit (based on Hall effect) provides a digital signal output with frequency proportional to the speed of rotation. Unlike other rotational sensors differential Hall ICs are not influenced by radial vibration within the effective airgap of the sensor and require no external signal processing.

Features

Advanced performance

High sensitivity

Symmetrical thresholds

High piezo resistivity

Reduced power consumption

South and north pole pre-induction possible

AC coupled

Digital output signal

Two-wire and three-wire configuration possible

Large temperature range

Large air-gap

Low cut-off frequency

Protection against overvoltage

Protection against reversed polarity

Output protection against electrical disturbances

Application

Anti-lock braking systems

Transmissions

Crankshafts

and more

Related Products



[TLE4262](#)

Infineon Technologies Corporation
SOP14



[TLE7183QU](#)

Infineon Technologies Corporation
PG-TQFP-48



[TLE8242-2L](#)

Infineon Technologies Corporation
LQFP64



[TLE52052G](#)

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DC0831



[TLE4961-1M](#)

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SOT23-3



[TLE8209-1E](#)

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HSOP-20



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[TLE72092R](#)

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HSOP20