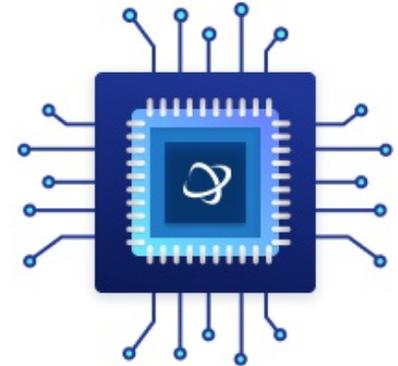


Hall-Effect Switches for Automotive, Industrial and Consumer Applications; Package: PG-SSO-3; Target Application: Automotive; Type: Unipolar; Chopped Hall Technology: yes; Interface: current interface; Direction Detection: no, Board Mount Hall Effect / Magnetic Sensors Hi-Precsn Hall-Effect Switch/Current interface



Images are for reference only

Manufacturers [Infineon Technologies Corporation](#)

Package/Case P-SSO-3-2

Product Type Magnetic Sensors

RoHS Rohs

Lifecycle

Please submit RFQ for TLE4976L or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TLE4976-1K and TLE4976L are high precision unipolar Hall switches with a two wire, 6mA/14mA current interface in a SMD or leaded package. A chopped measurement principle provides high stability switching thresholds for operating temperatures between -40°C and 150°C.

Features

- 3.0V to 24V supply voltage operation
- High sensitivity and high stability of the magnetic switching points
- High resistance to mechanical stress by Active Error Compensation
- Reverse battery protection (-18V)
- Superior temperature stability
- Peak temperatures up to 195°C without damage
- Low jitter (typ. 1µs)
- High ESD performance (± 8kV HBM)
- Digital output signal with current modulation 6mA / 14mA
- Unipolar version
- SMD package SC59 (SOT23 compatible): TLE4976-1K
- Leaded package PG-SSO-3-2: TLE4976L

Application

Position sensing

Related Products



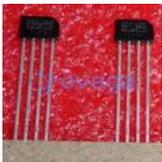
[TLE4935L](#)

Infineon Technologies Corporation
P-SSO-3



[TLE5011](#)

Infineon Technologies Corporation
SOP-8



[TLE4921-5U](#)

Infineon Technologies Corporation
SSO-4-1



[TLV4906K](#)

Infineon Technologies Corporation
SC-59



[TLE4905L](#)

Infineon Technologies Corporation
P-SSO-3-2



[TLE4946K](#)

Infineon Technologies Corporation
PG-SC59-3



[TLE4998C4](#)

Infineon Technologies Corporation
PG-SSO-4-1



[TLE4941PLUSC](#)

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PSSO-2-2