

## 2-Phase Stepper-Motor Driver

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	P-DSO-24
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for TLE4726G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

TLE4726G is a specific part number for a high-precision Hall-effect sensor integrated circuit manufactured by Infineon Technologies. It is designed to sense the magnetic field generated by a nearby magnet, and convert that information into an analog voltage or digital signal. This information can then be used to detect position, speed, or motion of a mechanical component, such as a wheel or shaft.

### Features

**High-precision magnetic sensing:** The TLE4726G is capable of detecting changes in the magnetic field as small as 0.02% of the magnetic flux density.

**Wide operating temperature range:** The sensor can operate in temperatures ranging from -40°C to 150°C, making it suitable for use in harsh environments.

**Digital output:** The TLE4726G provides a digital output signal, making it easy to interface with a microcontroller or other digital logic circuits.

**Reverse polarity protection:** The device is designed to withstand reverse polarity voltage up to -18V.

### Application

**Automotive:** The sensor can be used to detect the position of the throttle pedal or the steering wheel, or to measure the speed of the wheels in an ABS system.

**Industrial:** The TLE4726G can be used to measure the position or speed of rotating machinery, such as motors, fans, or pumps.

**Consumer electronics:** The sensor can be used in gaming controllers or other handheld devices to detect the position or motion of the device.



### Related Products



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Infineon Technologies Corporation  
SOT-223



#### [TLE4266G](#)

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SOT-223



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