

TLV493D Series 3.5 V 3.7 mA 3D Magnetic Sensor with I2C Interface -PG-TSOP-6-6-5

Manufacturers	Infineon Technologies Corporation
Package/Case	TSOP6
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLV493DA1B6HTSA2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The new 3D magnetic sensor TLV493D-A1B6 offers accurate three dimensional sensing with extremely low power consumption in a small 6-pin package. With an opportunity to detect the magnetic field in x, y, and z-direction the sensor is ideally suited for the measurement of 3D movements, linear movements and rotation movements

Features

Integrated temperature sensing

Low current consumption

0.007 μ A in power down mode

10 μ A in ultra low power mode

2.7 to 3.5 V operating supply voltage

Digital output via 2-wire standard

I²C interface

Bx, By and Bz linear field measurement up to \pm 130 mT

12-bit data resolution for each measurement direction

Resolution 98 μ T/LSB

Operating temperature range from -40 °C to 125 °C

Application

Joystick e.g. finger, thumb and gaming paddles

E-meters e.g. anti-tampering

Control elements e.g. white goods, multifunction knob

Related Products



[TLE4262](#)

Infineon Technologies Corporation
SOP14



[TLE8242-2L](#)

Infineon Technologies Corporation
LQFP64



[TLE4961-1M](#)

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SOT23-3



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