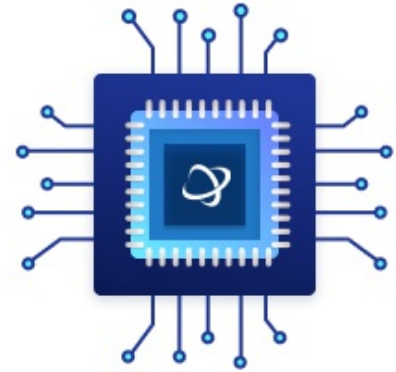


Hall Effect Switch, Low Power, Switch, 0.0035 T, 0.0027 T, 2.4 V, 5.5 V, SC-59

Manufacturers	Infineon Technologies Corporation
Package/Case	
Product Type	Sensors, Transducers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLE4913HTSA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TLE4913 is an Integrated Hall-Effect Sensor designed specifically to meet the requirements of low-power devices. e.g. as an On/Off switch in Cellular Flip-Phones, with battery operating voltages of 2.4V 5.5V. Precise magnetic switching points and high temperature stability are achieved through the unique design of the internal circuit. An onboard clock scheme is used to reduce the average operating current of the IC. During the operate phase the IC compares the actual magnetic field detected with the internally compensated switching points. The output Q is switched at the end of each operating phase. During the Stand-by phase the output stage is latched and the current consumption of the device reduced to some μA . The IC switching behaviour is Omnipolar, i.e. it can be switched on with either the North or South pole of a magnet.

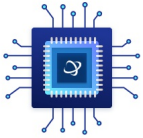
Features

- Micro power design
- 2.4 V to 5.5 V battery operation
- High sensitivity and high stability of the magnetic switching points
- High resistance to mechanical stress
- Digital output signal
- Switching for both poles of a magnet (omnipolar)
- Not suitable for automotive application

Application

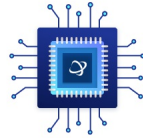
- Industrial
- Consumer
- Cellular Flip-Phones

Related Products



[TLE4968-1M](#)

Infineon Technologies Corporation



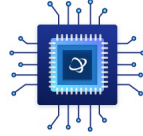
[TLI493DA2B6HTSA1](#)

Infineon Technologies Corporation



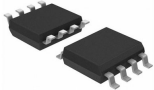
[TLE4997](#)

Infineon Technologies Corporation
SO



[TLE4905LE6433HAXA1](#)

Infineon Technologies Corporation



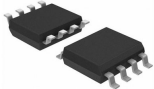
[TLE4927C](#)

Infineon Technologies Corporation
PG-SSO-3-9



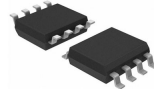
[TLE5010](#)

Infineon Technologies Corporation
SOP8



[TLE4997A8XUMA1](#)

Infineon Technologies Corporation
PG-TDSO-8



[TLE4998C4HALA1](#)

Infineon Technologies Corporation
PG-SSO-4