



Sensors > Position Sensors > Magnetic Sensors > Magnetic Angle Sensor, SO8 Package



Position Sensor Product Type: **Magnetic Angle Sensor**

Sensor Package: **SO8**

Sensing Range: **0 – 180 °**

Typical Signal Amplitude: **11 mV/V**

Typical Operating Voltage: **5 V**

[All Magnetic Angle Sensor, SO8 Package \(1\)](#)

## Features

### Product Type Features

Position Sensor Product Type	Magnetic Angle Sensor
Sensor Package	SO8

### Electrical Characteristics

Typical Operating Voltage	5 V
Typical Average Current	1.6 mA

### Usage Conditions

Sensing Range	0 – 180 °
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

### Operation/Application

Typical Signal Amplitude	11 mV/V
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025 (247)

Candidate List Declared Against: JAN 2023 (233)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts

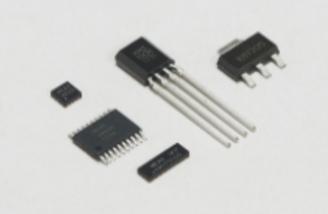


TE Part # G-MRCO-017  
CO MS32 8L TDFN 2,5x2,5 SWITCH ANALOG



TE Part # G-MRCO-016  
KMT 32B TDFN ROHS

### Also in the Series | MEAS KMT



Magnetic Sensors(4)

### Customers Also Bought



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_G-MRCO-037\\_1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_G-MRCO-037\\_1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_G-MRCO-037\\_1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

#### KMT37 Data Sheet

English