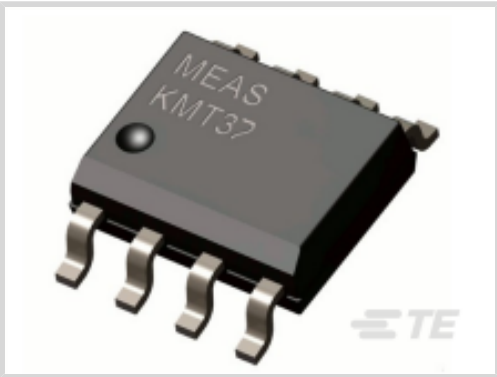




Sensors > Position Sensors > Magnetic Sensors



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**

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: JUNE 2024 (241) 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-016
KMT 32B TDFN ROHS

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

Also in the Series | MEAS KMT

Magnetic Sensors(2)

Customers Also Bought





TE Part #1478762-9
METAL BACKSHELL 9 WAY TOP E



TE Part #350761-4
04P UMNL HDR ASSY PC



TE Part #1735042-8
1MM FFC SMT V ASSY 8P EMBOSS



TE Part #1825232-1
SLIDE SWITCH,SPDT,Right Angle



TE Part #2-2205129-5
CA MINI IO TYPE I PIGTAIL



TE Part #2-33463-4
TERMINAL, SOLIS R 8 3/8

TE Part #3-2394033-4
HD-20 PLUG 15P SMT UNC 4-40 THD,
W/ STUD

TE Part #NB-PTCO-331
Pt100, 2.9x9.7, Class A, PTFA101AG06

TE Part #10202204-00
PTC TEMPERATURE SENSOR

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