



Sensors > Position Sensors > RVDT/RVIT Sensors > DC LIGHT WEIGHT RVDT



Position Sensor Product Type: **Rotary Variable Differential Transformer (RVDT)**

Angular Range: **-30 – 30 °**

Supply Voltage Range: **13.5 – 16.5 VDC**

Input Current (Max): **25 mA**

Non-Linearity ±: **.25 %**

Features

Product Type Features

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Position Sensor Product Type | Rotary Variable Differential Transformer (RVDT) |
|------------------------------|-------------------------------------------------|

Configuration Features

|                       |            |
|-----------------------|------------|
| Electrical Connection | Lead Wires |
|-----------------------|------------|

Electrical Characteristics

|                      |                 |
|----------------------|-----------------|
| Supply Voltage Range | 13.5 – 16.5 VDC |
| Input Current (Max)  | 25 mA           |

Body Features

|                |                   |
|----------------|-------------------|
| Product Weight | 54 g              |
| Case Material  | Anodized Aluminum |

Mechanical Attachment

|                   |                     |
|-------------------|---------------------|
| Sensor Mount Type | Size 11 Servo Mount |
|-------------------|---------------------|

Dimensions

|                  |                   |
|------------------|-------------------|
| Shaft Diameter   | 4.76 mm[.188 in]  |
| Product Diameter | 26.92 mm[1.06 in] |

Usage Conditions

|                             |                         |
|-----------------------------|-------------------------|
| Operating Temperature Range | -18 – 70 °C[0 – 158 °F] |
|-----------------------------|-------------------------|



Operation/Application

|                    |                  |
|--------------------|------------------|
| Output Signal Type | ±3.75 – ±7.5 VDC |
|--------------------|------------------|

Other

|                 |                               |
|-----------------|-------------------------------|
| Angular Range   | -30 – 30 °                    |
| Non-Linearity ± | .25 %                         |
| Bearing Type    | ABEC 3 Precision Ball Bearing |

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                   | Out of Scope                                                                                                                   |
| 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)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                           |
| 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 # CAT-RVDT0004  
DC LIGHT WEIGHT RVDT

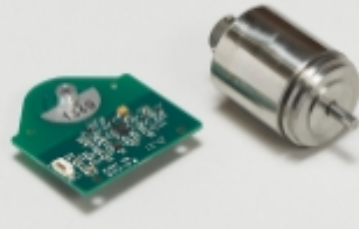


TE Part # 02291339-000  
POWER SUPPLY PSD 40-15 ASSY



TE Part # 66530072-000  
R-FLEX CPLG ADP RVIT/RVDT/RSYN

Also in the Series | MEAS R30



RVDT/RVIT Sensors(8)

Customers Also Bought



TE Part #211769-1  
17-9 CPC RECEPT REV SEX



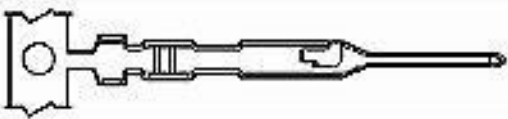
TE Part #66109-3  
III+ SKT,26-24,15AU/FL,LP



TE Part #T4071017031-001  
M8.FMLE.PNLREAR.3POS.STR WIRE



TE Part #1-1879449-4  
TE 400W 12R 5% Bracket



TE Part #5-104505-7  
MTE PIN LP



TE Part #104257-1  
02 MTE RCPT HSG SR LATCH .100



TE Part #1-104481-3  
SHORT POINT RECP CONT LP



TE Part #8-1393117-0  
KUP-14A15-240=KU



TE Part #8-2176088-9  
RP 1J 0.166W 7K5 0.1% 25PPM 1K RL



TE Part #5-1393104-1  
KRPA-11DN-24=KRPA





Documents

Datasheets & Catalog Pages

DC Operated, Light Weight RVDT

English