



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



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

Angular Range: **-30 – 30 °**

Non-Linearity ±: **.25 %**

Output Signal Type: **AC Voltage**

Operating Temperature Range: **-55 – 150 °C [-67 – 300 °F]**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Supply Voltage	3 Vrms
----------------	--------

Signal Characteristics

Excitation Frequency	2.5 – 10 kHz
----------------------	--------------

Body Features

Product Weight	36 g
Case Material	Anodized Aluminum

Mechanical Attachment

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

Dimensions

Shaft Diameter	4.76 mm[.188 in]
Product Diameter	25.4 mm[1 in]

Usage Conditions

--	--



Operating Temperature Range	-55 – 150 °C[-67 – 300 °F]
-----------------------------	----------------------------

Operation/Application

Output Signal Type	AC Voltage
--------------------	------------

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	Not Yet Reviewed
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 2022 (223) 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 # 66530072-000
R-FLEX CPLG ADP RVIT/RVDT/RSYN

Also in the Series | MEAS R30



RVDT/RVIT Sensors(8)

Customers Also Bought



TE Part #M902-2053
COMP NUT, 6/9/24SZ,CBL SZ .430-.570,HD10



TE Part #HDP26-24-31SE-L015
PLG, 31P, BLK, E, THD, 16, S



TE Part #2-1703639-1
12POS,AMP MCP1.5K,REC HSG,ASSY



TE Part #0462-005-20141
SOC, SOLID, SIZE 20, 16-18AWG, NI



TE Part #1534162-1
AMP MCP 1.5K, CONTACT, SWS



TE Part #YDTS26W23-35SBV001
PLUG ASSY

TE Part #304Z-03348
Speed sen FTG 1052AH S26

TE Part #372Z-05669
portable HM 100 Contact Hand Tachomete

TE Part #3742606745
Speed sen DSY 1205.11 AHD



Documents

Datasheets & Catalog Pages
AC Operated, Light Weight RVDT
English