



Sensors > Position Sensors > RVDT/RVIT Sensors > AC RVDT FOR HARSH ENVIRONMENTS



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

Angular Range: **-30 – 30 °**

Non-Linearity ±: **.5 %**

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)
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Configuration Features

Electrical Connection	6-Pin Connector
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Electrical Characteristics

Supply Voltage	3 Vrms
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Signal Characteristics

Excitation Frequency	2.5 – 10 kHz
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Body Features

Product Weight	255 g
Case Material	Stainless Steel

Mechanical Attachment

Sensor Mount Type	Size 15 Servo Mount
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Dimensions

Shaft Diameter	4.75 mm[.187 in]
Product Diameter	38.1 mm[1.5 in]

Usage Conditions

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

Output Signal Type	AC Voltage
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Other

Angular Range	-30 – 30 °
Non-Linearity ±	.5 %
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) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.26% in component part) Decamethylcyclopentasiloxane (D5) (.12% in component part) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # 02560231-160
R30A 10KHZ +/- 60

TE Part # 02560234-060
RVDT R30D +/-60 DEGREE

TE Part # CAT-RVDT0003
AC RVDT FOR HARSH ENVIRONMENTS

TE Part # 62101011-000
CONN BNDX PT06A-10-6S(SR)

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

Also in the Series | MEAS R36AS

RVDT/RVIT Sensors(5)

Customers Also Bought

TE Part #206705-2
CPC 13-9 FREE HANGING RECPT

TE Part #369242-000
222K174-25/225-0

TE Part #814308-000
202A111-3-0

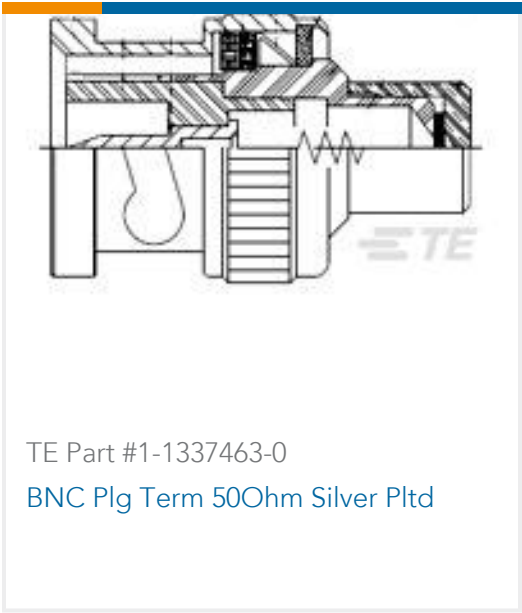
TE Part #748364-1
15 HD22 CRIMP SNAP PLUG

TE Part #167294-1
25P HDP20 PLUG ASSY

TE Part #216165-1
26P.HDP22 REC.ASSY.

TE Part #166051-1
24-20 AWG HD-20 SOCKET

TE Part #828102-1
HD-20SCHRAUB-SICHRG



Documents

Datasheets & Catalog Pages

AC Operated RVDT for Harsh Environments

English