ROX8J82R ✔ ACTIVE

Neohm | Neohm ROX

TE Internal #: 1-2176415-2

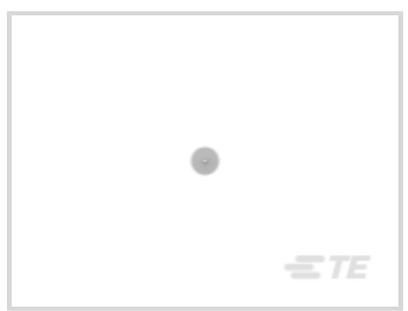
General Purpose Resistor, Metal Oxide Film, 8 W, 82 ohm, 5 %, ±350 ppm/°C, Axial-Leaded, Copper Termination, 41 x 8.5 mm, Box, Neohm ROX

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors







Resistor Type: **General Purpose Resistor**

Element Type: **Metal Oxide Film**

Power Rating: **8 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **82 Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Metal Oxide Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	750 V
Power Rating	8 W
Resistance Class	Up to 1kΩ
Resistance Value	82 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded

Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	41 x 8.5 mm

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±350 ppm/°C

Packaging Features

Packaging Method	Box

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: JUNE 2023 (235) 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	Wave solder capable to 265°C

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 # 2-1625892-1
3W SM M/OX 5% 1K0



TE Part # 4-1625886-1
1W SM M/OX 5% 820K



TE Part # 6-1676123-7
1/2W SM M/OX 5% 470R



TE Part # 1625881-2
1W STD M/OX 2% 220R



TE Part # 1625893-5
5W SM M/OX 5% 47K

Also in the Series | Neohm ROX



Through-Hole Resistors(783)

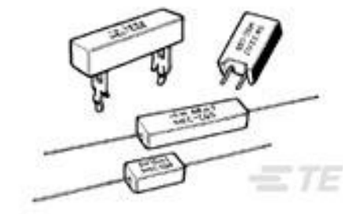
Customers Also Bought



TE Part #3-917659-5
DYNAMIC 3200 D/ROW REC HSG 10P



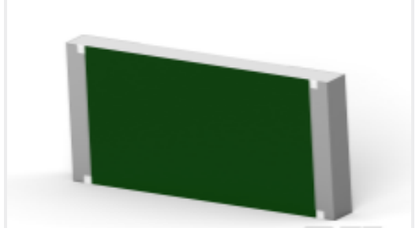
TE Part #3-1879071-2
THS50 39R 5%



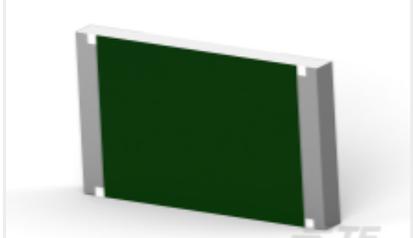
TE Part #2-1623782-7
SQM5 75K 5% (METAL FILM)



TE Part #2-1879501-7
CRGH2512 5% 12R 2W



TE Part #2-2176403-7
3550 12R 1%



TE Part #7-2176407-6
3560 2R7 5%



TE Part #3-2176412-0
5W XSM M/OX 5% 82R



TE Part #1-2176414-8
7W STD M/OX 5% 100R



TE Part #2176415-9
8W STD M/OX 5% 62R

Documents

Product Drawings

8W STD M/OX 5% 82R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176415-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176415-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176415-2_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Flame Proof Power Metal Oxide Film Resistors - Type ROX Series - Tyco Electronics Passives

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

650075-000 SBCHE64R7K TE50BR39J U5254-000005-030PA 2380312-2 1969656-1 2005330-1
1-794222-0 2377783-2 3631B101LL CPF0402B37K4E1 SMW73R0JT 936348-1 141991-2 1743455-2
2-292161-3 2310537-1 917696-1 1-962915-1 RH73H2A40MKTN 1393431-1 2834055-1 CRGCQ2010J3K3
MPT100C18RF ROX05SJ18R SBCHE154R7K 175977-2 1903112-2 3-1393225-0 3430B2F51RTDF