ROX9J82R ✔ ACTIVE

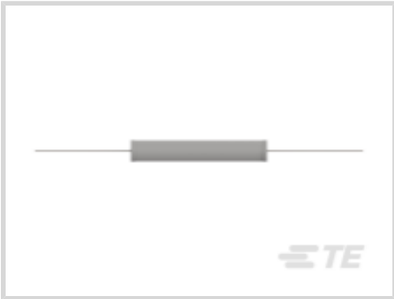
NEOHM | NEOHM ROX

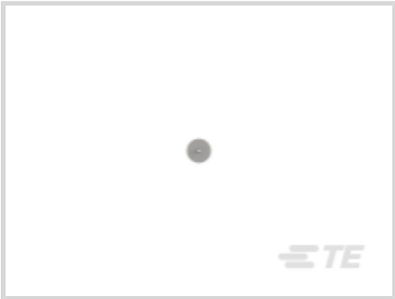
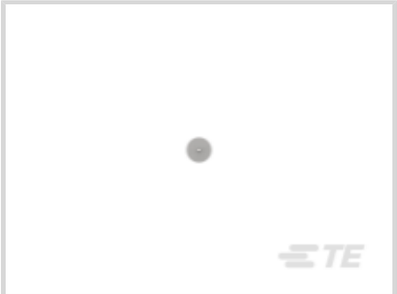
TE Internal #: 2176416-6

82 ohm, Metal Oxide Film, General Purpose Resistor, 5 %, 9 W, ±350 ppm/°C, Axial-Leaded, Copper Termination, 54 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: **9 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	9 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	54 x 8.5 mm

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 4-1625886-1
1W SM M/OX 5% 820K

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

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

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

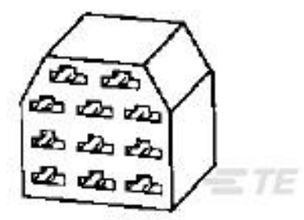
TE Part # 1625893-5
5W SM M/OX 5% 47K

Also in the Series | NEOHM ROX

Through-Hole Resistors(783)

Customers Also Bought

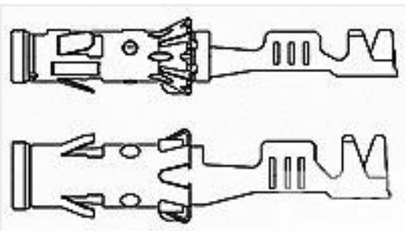
TE Part #801001-SF
FN3100-150-40



TE Part #151325-1
FF 250 REC HSG 11P NYLON NAT

TE Part #206036-4
CPC RECPT SEALED SIZE 17-16

TE Part #493581-1
BOOT 4 POSN HSG



TE Part #929975-1
BU-KONTAKT 2,5MMD

TE Part #5-1622820-2
3520 4R7 5%

TE Part #1-1623774-9
C14 15R 5% (LOOSE)

TE Part #4-2176412-5
5W XSM M/OX 5% 360R

TE Part #1-2303816-4
DT06-3S-TE32, PLG, 3P, BLK, E, SNAPCAP

TE Part #802600-SF
FS21858-30-33

Documents

Product Drawings

9W STD M/OX 5% 82R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176416-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176416-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176416-6_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