ROX3SJ8R2 ✔ ACTIVE

Neohm | Neohm ROX

TE Internal #: 7-1625892-9

8.2 ohm, Through-Hole Power Resistor, Metal Oxide Film, 3 W, 5 %, ±350 ppm/°C, Axial-Leaded, Copper Termination, 16 x 5.5 mm, Ammo Packed, Neohm ROX

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors



Resistance Value: **8.2 Ω**

Resistor Type: **Power Resistor**

Element Type: **Metal Oxide Film**

Power Rating: **3 W**

Resistance Class: **Up to 1kΩ**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Oxide Film

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	350 V
Resistance Value	8.2 Ω
Power Rating	3 W
Resistance Class	Up to 1kΩ
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	16 x 5.5 mm

Usage Conditions

Operating Temperature Range	-55 – 235 °C
Temperature Coefficient	±350 ppm/°C

Packaging Features

Packaging Method	Ammo Packed

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1625893-5
5W SM M/OX 5% 47K



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



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



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



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

Also in the Series | Neohm ROX



Through-Hole Resistors(783)

Customers Also Bought



TE Part #3-2176230-4
3522 470R 5% 3W



TE Part #2-1625892-7
3W SM M/OX 5% 1R8



TE Part #5-1625892-6
3W SM M/OX 5% 4R7



TE Part #3-1625892-9
3W SM M/OX 5% 2R2



TE Part #5-1625892-0
3W SM M/OX 5% 3R9



TE Part #4-1625892-9
3W SM M/OX 5% 3R3



TE Part #8-1625892-1
3W SM M/OX 5% 1R5



TE Part #1-1625892-3
3W SM M/OX 5% 12R



TE Part #8-1625892-0
3W SM M/OX 5% 1R2



TE Part #1-1625892-1
3W SM M/OX 5% 10R

Documents

Product Drawings

3W SM M/OX 5% 8R2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1625892-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1625892-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1625892-9_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

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

English