

# ROX2SJ100R ✓ ACTIVE

Neohm | Neohm ROX

TE Internal #: 1625890-4

100 ohm, Through-Hole Power Resistor, Metal Oxide Film, 2 W, 5 %,  $\pm 350$  ppm/ $^{\circ}\text{C}$ , Axial-Leaded, Copper Termination, 5.5 x 16 mm, Ammo Packed, Neohm ROX

[View on TE.com >](#)



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: **100  $\Omega$**

Resistor Type: **Power Resistor**

Element Type: **Metal Oxide Film**

Power Rating: **2 W**

Resistance Class: **Up to 1k $\Omega$**

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Oxide Film

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Resistance Value	100 $\Omega$
Power Rating	2 W
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	5 %

### Body Features

Lead Type	Axial-Leaded
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### Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

### Dimensions

Passive Component Dimensions	5.5 x 16 mm
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### Usage Conditions

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

Packaging Method	Ammo Packed
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**Product Compliance**

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 265°C
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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 # 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

### Also in the Series | Neohm ROX



Through-Hole Resistors(783)

### Customers Also Bought



TE Part #2-2176251-0  
CRGS2010 5% 39R



TE Part #2-1625890-0  
2W SM M/OX 5% 1K0



TE Part #6-1622796-9  
YR1 0.1% 162K



TE Part #1-2176412-7  
5W XSM M/OX 5% 24R



TE Part #4-1879350-2  
RR01 5% 11R AMMO



TE Part #6-1879352-6  
RR02 5% 160R AMMO



TE Part #EC0375-000  
06151606



TE Part #7-1879215-0  
CPF 0402 24K3 0.1% 25PPM 1K RL



TE Part #7-1879350-4  
RR01 5% 240R AMMO



TE Part #HPP845E132R5  
I.C 21PF RH/T PWM B5000



## Documents

### Product Drawings

[2W SM M/OX 5% 100R](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1625890-4\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1625890-4\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1625890-4\\_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