# ROX3SJ820R ✔ ACTIVE

NEOHM | NEOHM ROX

TE Internal #: 7-1625892-1

820 ohm, Metal Oxide Film, Power Resistor, 5 %, 3 W, ±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



Resistor Type: **Power Resistor**

Element Type: **Metal Oxide Film**

Power Rating: **3 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **820 Ω**

## 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 |
| Power Rating | 3 W |
| Resistance Class | Up to 1kΩ |
| Resistance Value | 820 Ω |
| Passive Component Tolerance | 5 % |

### Body Features

| | |
|---|---|
| Lead Type | Axial-Leaded |

### Termination Features

| | |
|---|---|
| Termination Area Base Material | Copper |
| Number of Terminations | 2 |

### Dimensions

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|---|---|
| Passive Component Dimensions | 16 x 5.5 mm |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 235 °C[-67 – 455 °F] |
| 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 | 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 1625893-5
5W SM M/OX 5% 47K



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

## Also in the Series | NEOHM ROX



Through-Hole Resistors(783)

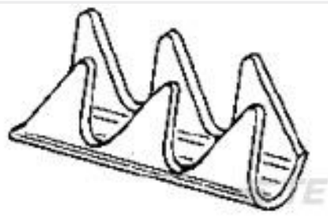
## Customers Also Bought



TE Part #235268-E
M12 MALE, A CODE, RA, 4P THR REAR MOUNT



TE Part #4-338088-3
8/8 INV.MOD.JACK



TE Part #925856-1
WIRE PIN 15.5-13.5 AWG .01 PTPB




TE Part #7-1415542-8
PE515005



TE Part #1462037-9
IM02GR=IM RELAY 140mW 4.5V



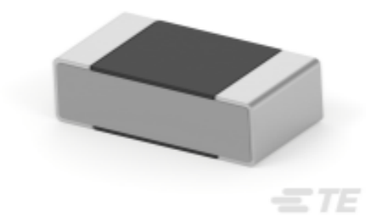

TE Part #4-1622820-4
3520 3K3 5%



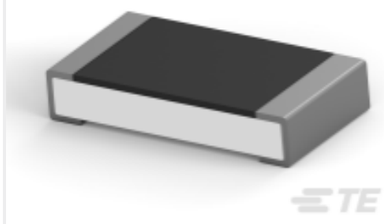
TE Part #4-1623732-1
BCHE 7 W 4R7 10%



TE Part #1956226-1
RE035012



TE Part #5-2176269-3
RU 0603 10K 0.01% 2PPM 1K RL



TE Part #5-2176388-9
RQ 1206 40R2 0.1% 10PPM 5K RL

## Documents

### Product Drawings

3W SM M/OX 5% 820R

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1625892-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1625892-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1625892-1_BA.3d_stp.zip

English

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

### Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

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

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English