



Neohm | Neohm ROX

TE Part # 1-1625893-7

TE Internal #: ROX5SJ120R

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Passive Components > Resistors > Fixed Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Dimensions: **25 x 8 mm**

Number of Terminations: **2**

Packaging Method: **Box**

Tolerance: **5%**

Features

Product Type Features

| | |
|------------------|------------------|
| Product Type | Fixed Resistor |
| Element Material | Metal Oxide |
| Resistor Type | Power Resistor |
| Element Type | Metal Oxide Film |

Configuration Features

| | |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

| | |
|------------------|-----------|
| Voltage Rating | 500 V |
| Tolerance | 5% |
| Resistance Class | Up to 1kΩ |
| Resistance | 120 Ω |
| Power Rating | 5 W |

Body Features

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

Termination Features

| | |
|------------------------|---------------------|
| Number of Terminations | 2 |
| Termination Type | Tinned Copper Leads |

Mechanical Attachment

| | |
|-------------|--------------|
| Mount Style | Axial Leaded |
|-------------|--------------|

Dimensions

| | |
|------------|-----------|
| Dimensions | 25 x 8 mm |
|------------|-----------|

Usage Conditions

| | |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 235 °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 | Not Yet Reviewed |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | 欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月 (197) SvHCs候选清单的声明更新至: 2016年6月 (169) |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed for solder process capability |

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



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



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



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

Also in the Series | Neohm ROX



Through-Hole Resistors
(786)

Customers Also Bought



TE Part #1-1969599-8
18P PM PLUG VAL-U-LOK V2



TE Part #1-84983-6
1mm FFC DIP H ASSY 16P NAT(TB)



TE Part #103329-9
09 MODII HDR SRRA B/A . 100CL



TE Part #2-1969599-4
24P PM PLUG VAL-U-LOKV2



TE Part #8-2176370-9
RQ 0603 3K57 0.1% 10PPM 5K RL



TE Part #2-2176380-4
RQ 0805 2K0 0.1% 10PPM 5K RL



TE Part #8-2176381-2
RQ 0805 86K6 0.1% 10PPM 5K RL



TE Part #1-1879351-7
RR01 5% 13K AMMO



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1625893-7_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1625893-7_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1625893-7_BA.3d_stp.zip](#)

English

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

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[ROX05SJ470R](#) [ROX05SJ510R](#) [ROX05SJ560R](#) [ROX05SJ620R](#) [ROX05SJ820R](#) [ROX05SJ1K1](#) [ROX05SJ1K2](#) [ROX05SJ1K3](#) [ROX05SJ1K6](#)
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