



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
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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
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Termination Features

Number of Terminations	2
Termination Type	Tinned Copper Leads

Mechanical Attachment

Mount Style	Axial Leaded
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Dimensions

Dimensions	25 x 8 mm
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Usage Conditions

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

Packaging Features

Packaging Method	Box
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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

5W SM M/OX 5% 120R

TE Part # 1-1625893-7
TE Internal #: ROX5SJ120R





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

5W SM M/OX 5% 120R

TE Part # 1-1625893-7
TE Internal #: ROX5SJ120R



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[ROX5SJ120R](#)