



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**
Element Type: **Metal Oxide Film**
Power Rating: **1 W**
Resistance Class: **Up to 1k Ω**
Resistance Value: **1 Ω**

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

Power Rating	1 W
Resistance Class	Up to 1k Ω
Resistance Value	1 Ω
Passive Component Tolerance	2 %

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 x 12 mm
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Usage Conditions

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Operating Temperature Range	-55 - 235 $^{\circ}\text{C}$
Temperature Coefficient	± 300 ppm/ $^{\circ}\text{C}$

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
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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}\text{C}$

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

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

ROX1G1R0

Power Resistor, Metal Oxide Film, 1 W, 1 Ω , 2 %, ± 300 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 5 x 12 mm, Ammo Packed, 2 Termination, Neohm ROX



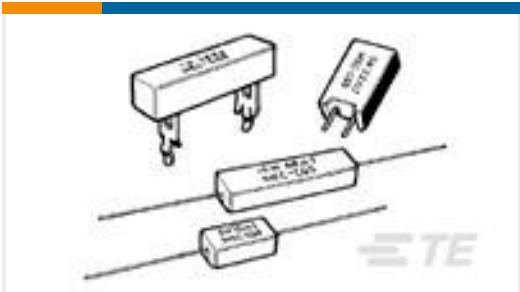
TE Part # 1625893-5
5W SM M/OX 5% 47K

Also in the Series | Neohm ROX



Through-Hole Resistors(798)

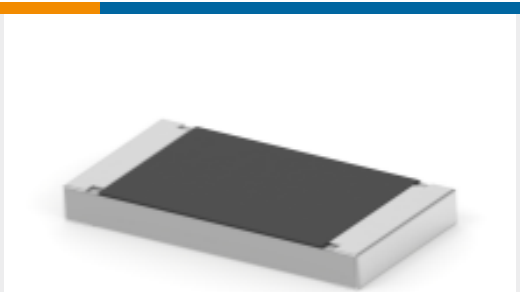
Customers Also Bought



TE Part # 6-1623795-1
SQP7 R22 5% WIRE



TE Part # 2-2176503-7
CJP 80W 82R 5% Lead



TE Part # 2-2176348-8
CRGCQ 2010 33K 5%



TE Part # 9-1625890-0
2W SM M/OX 2% 1R2



TE Part # 1625889-3
2W SM M/OX 2% R47



TE Part # 8-1625890-9
2W SM M/OX 5% 2R0



TE Part # 1625892-7
3W SM M/OX 5% R68



TE Part # 3-1879352-8
RR02 5% 11R AMMO



TE Part # 3-643820-7
07P MTA156 CONN ASSY 24AWG LF



TE Part # 4-1415419-2
0419 11 1301 00



Documents

Product Drawings

1W STD M/OX 2% 1R0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1625881-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1625881-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1625881-1_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