



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Metal Oxide Film**

Power Rating: **9 W**

Resistance Class: **1kΩ – 1MΩ**

Resistance Value: **20K Ω**

### Features

#### Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Metal Oxide Film

#### Configuration Features

Number of Resistors	1
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#### Electrical Characteristics

Operating Voltage	750 V
Power Rating	9 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	20K Ω
Passive Component Tolerance	5 %

#### Body Features

Lead Type	Axial-Leaded
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#### Termination Features

Termination Type	Copper
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Termination Area Base Material	Copper
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Number of Terminations	2
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### Dimensions

Passive Component Dimensions	54 x 8.5 mm
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### Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$ [-67 – 311 $^{\circ}\text{F}$ ]
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Temperature Coefficient	$\pm 350$ ppm/ $^{\circ}\text{C}$
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### 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	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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 265 $^{\circ}\text{C}$
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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 # 2-1625892-1  
3W SM M/OX 5% 1K0



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



TE Part # 6-1676123-7  
1/2W SM M/OX 5% 470R




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



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

Also in the Series | **NEOHM ROX**




Through-Hole Resistors(783)

Customers Also Bought



TE Part #2180143008  
55A0811-20-9



TE Part #1-1623746-0  
ER74 1K0 5% AMMO PK



TE Part #1-1623774-8  
C14 15K 5% (LOOSE)



TE Part #2-1623774-5  
C14 22K 5% (LOOSE)



TE Part #2-1623774-6  
C14 2K2 5% (LOOSE)



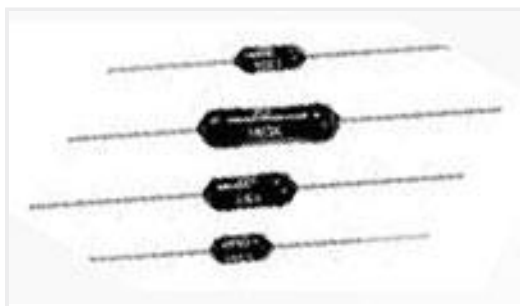
TE Part #3-1623774-1  
C14 3K3 5% (LOOSE)



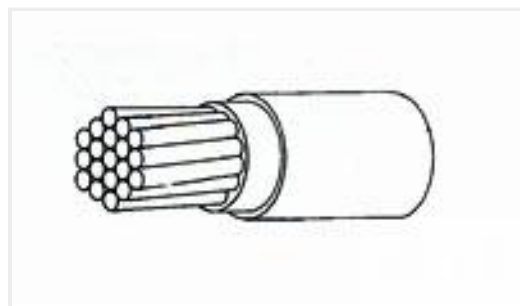
TE Part #1-1624323-4  
UPW50 0.1% 5PPM 500R



TE Part #3-1625890-3  
2W SM M/OX 5% 22R



TE Part #2-1879663-8  
H8 205R 0.1% 15PPM



TE Part #CQ05573001  
55A0811-12-9CK5050

## Documents

### Product Drawings

[9W STD M/OX 5% 20K](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176416-3\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176416-3\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176416-3\\_BA.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Flame Proof Power Metal Oxide Film Resistors - Type ROX Series - Tyco Electronics Passives](#)

English