



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**  
Element Type: **Metal Oxide Film**  
Power Rating: **2 W**  
Resistance Class: **1kΩ – 1MΩ**  
Resistance Value: **47K Ω**

Features

Product Type Features

|               |                  |
|---------------|------------------|
| Resistor Type | Power Resistor   |
| Element Type  | Metal Oxide Film |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Power Rating                | 2 W       |
| Resistance Class            | 1kΩ – 1MΩ |
| Resistance Value            | 47K Ω     |
| Passive Component Tolerance | 5 %       |

Body Features

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

Termination Features

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

Dimensions

|                              |           |
|------------------------------|-----------|
| Passive Component Dimensions | 15 x 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                   | Out of Scope                                                                                                                    |
| 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: 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 # 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

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

ROX2SJ47K

47K ohm, Metal Oxide Film, Power Resistor, 5 %, 2 W, ±350 ppm/°C, Axial-Leaded, Copper Termination, 15 x 5 mm, Ammo Packed, 2 Terminations, NEOHM ROX



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 #802436-SF

FN2030-30-08

TE Part #1415899-2

RZ01-1A4-D006

TE Part #1571294-2

SWITCH,TACT,SMT,SEALED,T&R

TE Part #1623730-8

BCHE 4 W 1R5 10%

TE Part #1625960-8

HBA RE 33M 1% 100PPM

TE Part #5-1775444-5

EMIX CONN., 1.5MM PITCH, HDR, R /A, 5P

TE Part #CAT-C339-T419

Power Resistor: Aluminum Housed, 75 Watt

TE Part #5-2176070-5

3521 1K8 1% 2W

TE Part #1-2176371-0

RQ 0603 5K76 0.1% 10PPM 5K RL



Documents

Product Drawings

2W SM M/OX 5% 47K

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5-1625890-2\_BA1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1625890-2\_BA1.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-1625890-2\_BA1.2d\_dxf.zip

English

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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