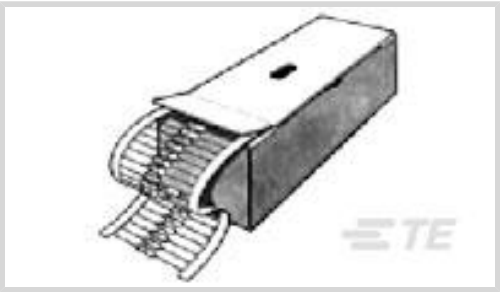




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **30 x 8.5 mm**

Number of Terminations: **2**

Packaging Method: **Loose Piece - Box**

Passive Component Tolerance: **5 %**

Features

Product Type Features

|               |                                 |
|---------------|---------------------------------|
| Product Type  | Fixed Resistor                  |
| Resistor Type | Power Resistor                  |
| Element Type  | Ceramic Composition, Wire Wound |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Voltage Rating              | 500 V     |
| Passive Component Tolerance | 5 %       |
| Resistance Class            | 1kΩ – 1MΩ |
| Resistance Value            | 4.7K Ω    |
| Power Rating                | 7 W       |

Body Features

|                             |              |
|-----------------------------|--------------|
| Passive Component Lead Type | Axial-Leaded |
|-----------------------------|--------------|

Termination Features

|                                             |                     |
|---------------------------------------------|---------------------|
| Number of Terminations                      | 2                   |
| Passive Component Termination Material Type | Tinned Copper Leads |

Dimensions

|                              |             |
|------------------------------|-------------|
| Passive Component Dimensions | 30 x 8.5 mm |
|------------------------------|-------------|



Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 155 °C |
| Temperature Coefficient     | ±300 ppm/°C  |

Packaging Features

|                  |                   |
|------------------|-------------------|
| Packaging Method | Loose Piece - Box |
|------------------|-------------------|

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

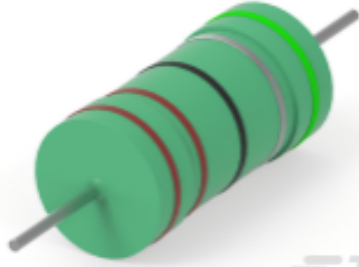
|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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: JUNE 2022 (224)<br>Candidate List Declared Against: JUL 2021 (219)<br>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°C                                                                                                   |

Product Compliance Disclaimer

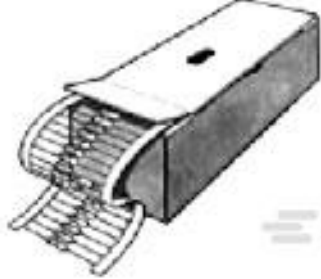
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

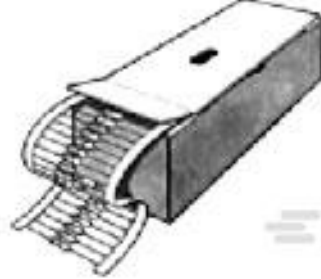




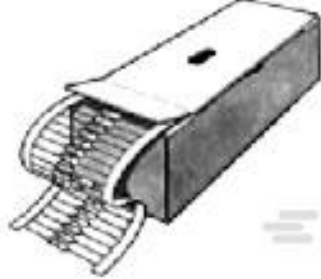
TE Part # 2176083-1  
EP 5W (S) 10R 5%



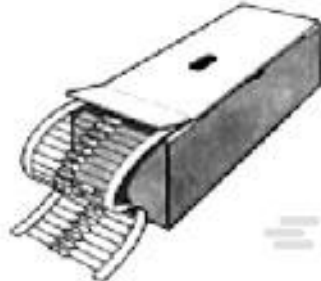
TE Part # 2176081-7  
EP 1W (S) 100R 5%



TE Part # 2176079-5  
EP 3W 47R 5%



TE Part # 2176084-7  
EP 7W (S) 100R 5%



TE Part # 2176085-7  
EP 9W (S) 100R 5%

Also in the Series | **Neohm EP**



[Through-Hole Resistors\(161\)](#)

Documents

Product Drawings

EP 7W 4K7 5%

English

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1879927-9\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1879927-9\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1879927-9\\_BA.3d\\_stp.zip](#)

English

EP7W4K7J

Through-Hole Resistors, Power Resistor, 30 x 8.5 mm, 2 Termination, Loose Piece - Box, 5 %, Ceramic Composition / Wire Wound, Neohm EP



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

Datasheets & Catalog Pages

Wirewound Anti Surge Resistors - Type EP Series

English