

# EP1WS100RJ ✓ ACTIVE

Neohm | Neohm EP

TE Internal #: 2176081-7

100 ohm, Through-Hole Power Resistor, Ceramic Composition / Wire Wound, 1 W, 5 %,  $\pm 300$  ppm/ $^{\circ}$ C, Axial-Leaded, Copper Termination, 10 x 3.5 mm, Neohm EP

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Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 100  $\Omega$

Resistor Type: Power Resistor

Element Type: Ceramic Composition, Wire Wound

Power Rating: 1 W

Resistance Class: Up to 1k $\Omega$

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Ceramic Composition, Wire Wound

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	500 V
Resistance Value	100 $\Omega$
Power Rating	1 W
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	5 %

### 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	10 x 3.5 mm
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### Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$
Temperature Coefficient	$\pm 300$ ppm/ $^{\circ}\text{C}$

### Packaging Features

Packaging Method	Ammo Packed
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### Product Compliance

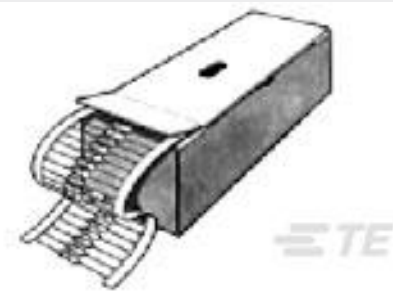
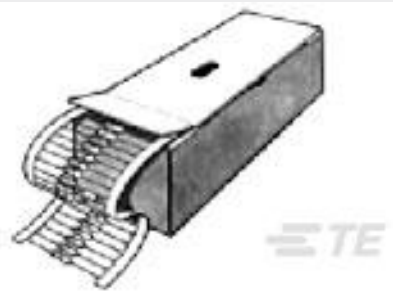

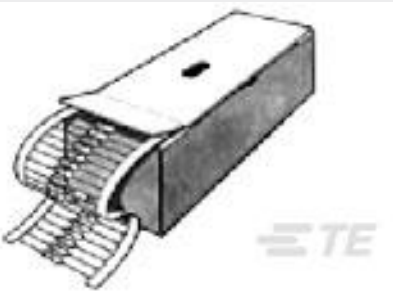
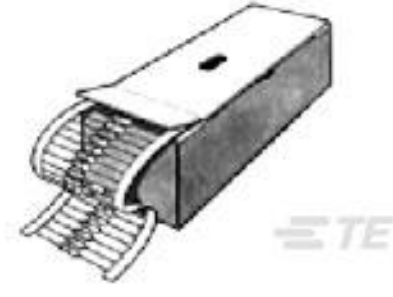

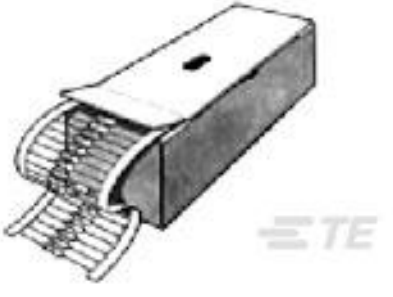
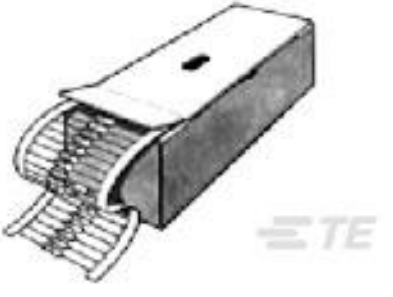
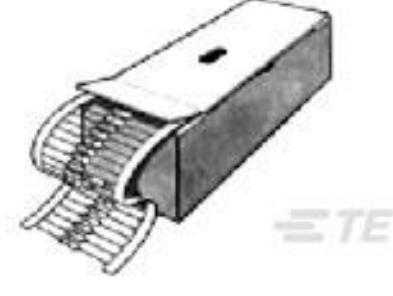


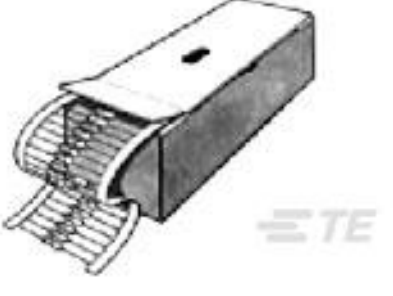
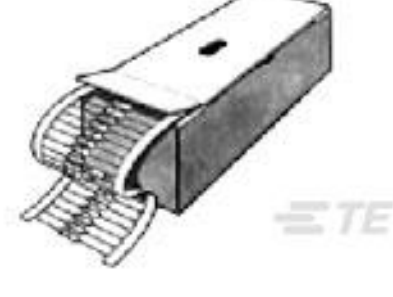
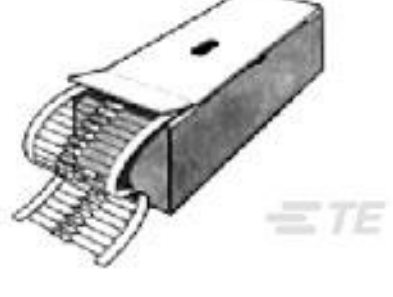


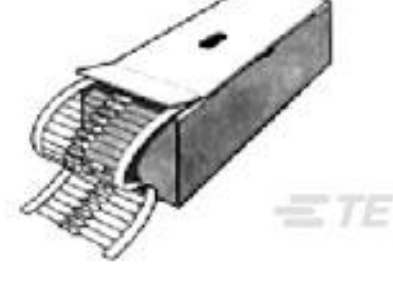

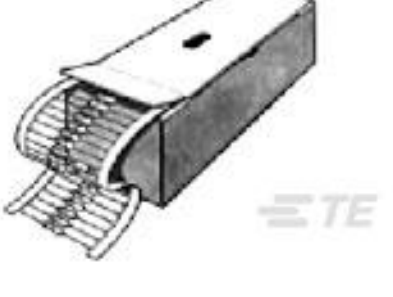
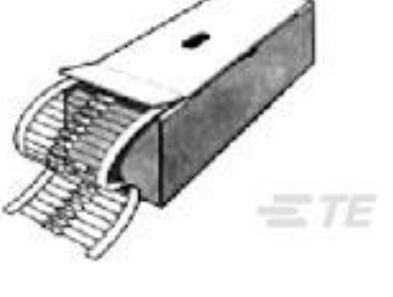
For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	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 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

 <p>TE Part # 1-2176045-3 EP 5W 680R 5%</p>	 <p>TE Part # 1-2176084-6 EP 7W (S) 3K3 5%</p>	 <p>TE Part # 2176160-1 EP 3W (S) 330R 5% 0.8MM LEAD DIA.</p>	 <p>TE Part # 1-2176079-4 EP 3W 1K5 5%</p>
 <p>TE Part # 1-2176080-2 EP 9W 680R 5%</p>	 <p>TE Part # 1-2176083-1 EP 5W (S) 470R 5%</p>	 <p>TE Part # 1-2176084-4 EP 7W (S) 1K5 5%</p>	 <p>TE Part # 1-1879927-9 EP 7W 4K7 5%</p>
 <p>TE Part # 1-2176045-2 EP 5W 470R 5%</p>	 <p>TE Part # 1-2176079-3 EP 3W 1K0 5%</p>	 <p>TE Part # 1-2176080-7 EP 9W 4K7 5%</p>	 <p>TE Part # 1-2176080-8 EP 9W 6K8 5%</p>
 <p>TE Part # 1-2176084-5 EP 7W (S) 2K2 5%</p>	 <p>TE Part # 1-2176085-9 EP 9W (S) 10K 5%</p>	 <p>TE Part # 1-2176083-2 EP 5W (S) 680R 5%</p>	 <p>TE Part # 1-2176085-1 EP 9W (S) 470R 5%</p>
 <p>TE Part # 1-2176085-6 EP 9W (S) 3K3 5%</p>	 <p>TE Part # 1-2176079-5 EP 3W 2K2 5%</p>	 <p>TE Part # 1-2176080-0 EP 9W 330R 5%</p>	 <p>TE Part # 1-2176080-1 EP 9W 470R 5%</p>

Also in the Series | [Neohm EP](#)



Through-Hole Resistors(607)

## Customers Also Bought



TE Part #2-1614892-5  
CPF 0805 1K47 0.1% 25PPM 1K RL



TE Part #254324-E  
STVC/2 48 M ABC VV 4-00 0606 \*\* 247 E0



TE Part #1-2176081-1  
EP 1W (S) 470R 5%



TE Part #1676290-3  
RN 0805 2K49 0.1% 10PPM 5KRL



TE Part #2176082-1  
EP 3W (S) 10R 5%



TE Part #364921-E  
STVR/2 48 MI ABC VV 4-00 GA06 4,0 \* 247



TE Part #2337993-2  
RJ45 JACK MAG. POE 10/100 LED 1X1 VERT.



TE Part #1676385-2  
RN 0805 5K11 0.1% 10PPM 1KRL



TE Part #254498-E  
STVC/2 48 F ABC VV 7-00 TL 2,5 \* 247 E0



TE Part #6-1879233-6  
SMW5 51R 5%

## Documents

### Product Drawings

[EP 1W \(S\) 100R 5%](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_2176081-7\\_BA.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2176081-7\\_BA.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2176081-7\\_BA.3d\\_stp.zip](#)

English

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