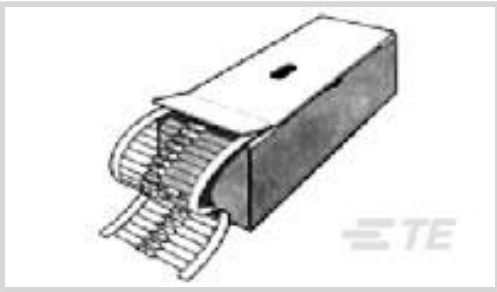




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**
Element Type: **Ceramic Composition, Wire Wound**
Power Rating: **7 W**
Resistance Class: **Up to 1k Ω**
Resistance Value: **100 Ω**

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
Power Rating	7 W
Resistance Class	Up to 1k Ω
Resistance Value	100 Ω
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	25 x 8.5 mm
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Usage Conditions

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

Packaging Features

Packaging Method	Loose Piece - Box
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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: JUL 2021 (219) 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

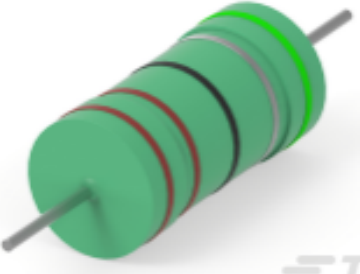
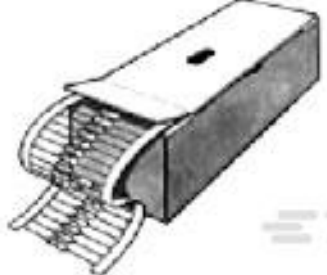
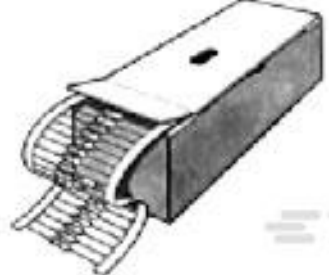
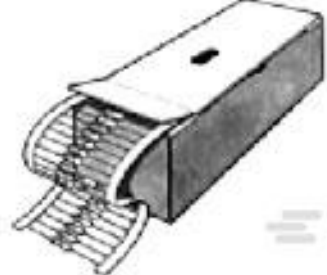
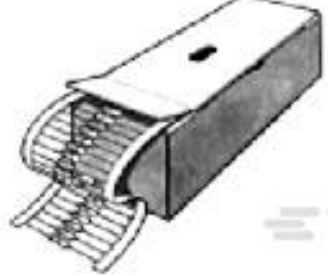
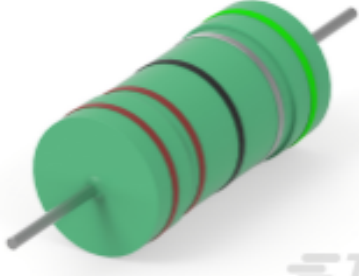
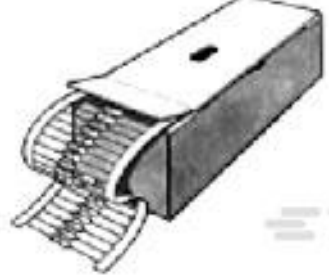
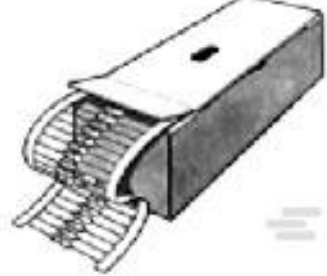
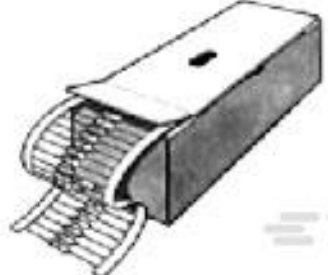
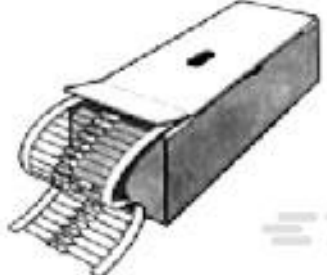
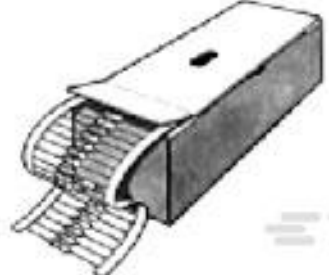
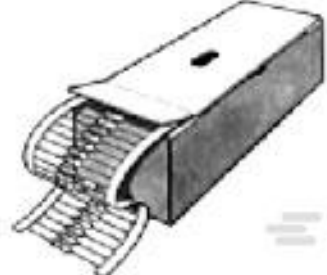
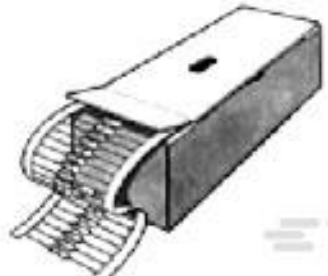
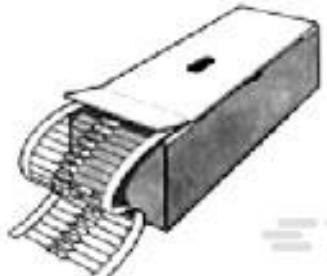
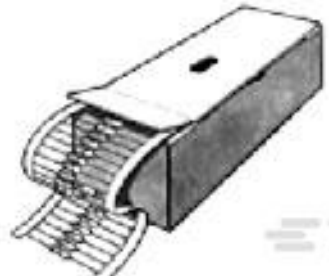
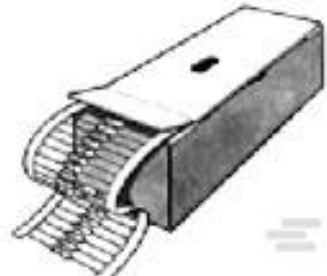
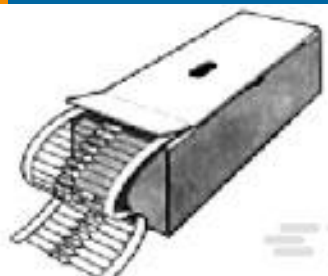
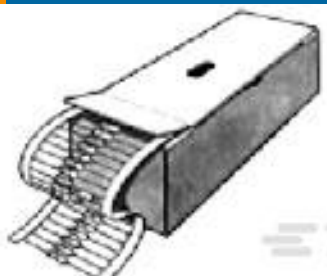
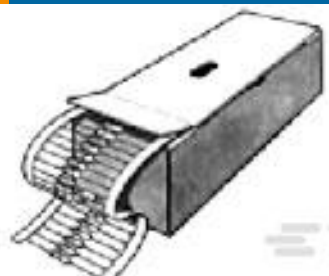
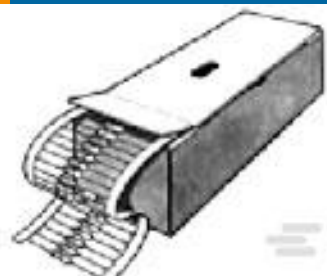
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

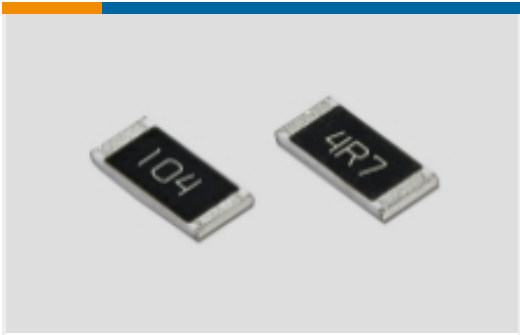
EP7WS100RJ

Power Resistor, Ceramic Composition / Wire Wound, 7 W, 100 Ω, 5 %, ±300 ppm/°C,
Axial-Leaded, Copper Termination, 25 x 8.5 mm, Neohm EP



 TE Part # 2176083-7 EP 5W (S) 100R 5%	 TE Part # 1-1879927-0 EP 7W 150R 5%	 TE Part # 1-2176079-3 EP 3W 1K0 5%	 TE Part # 2176082-7 EP 3W (S) 100R 5%
 TE Part # 2176082-2 EP 3W (S) 15R 5%	 TE Part # 2176083-1 EP 5W (S) 10R 5%	 TE Part # 2176081-7 EP 1W (S) 100R 5%	 TE Part # 2176079-7 EP 3W 100R 5%
 TE Part # 2176078-7 EP 1W 100R 5%	 TE Part # 2176078-1 EP 1W 10R 5%	 TE Part # 2176078-8 EP 1W 150R 5%	 TE Part # 2176078-2 EP 1W 15R 5%
 TE Part # 1-2176078-3 EP 1W 1K0 5%	 TE Part # 2176078-9 EP 1W 220R 5%	 TE Part # 2176078-3 EP 1W 22R 5%	 TE Part # 1-2176078-0 EP 1W 330R 5%
 TE Part # 2176078-4 EP 1W 33R 5%	 TE Part # 1-2176078-1 EP 1W 470R 5%	 TE Part # 2176078-5 EP 1W 47R 5%	 TE Part # 1-2176078-2 EP 1W 680R 5%

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



Surface Mount Resistors(1)



Through-Hole Resistors(635)

Customers Also Bought



TE Part # 8-1625971-4
HSA25 R47 5%



TE Part # T4132012081-000
M12,FRONT MOUNT,MALE, A,8P, SOLDER WIRE



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



TE Part # 5555980-1
MJ,R/A,4P/4C,TRAY PACK



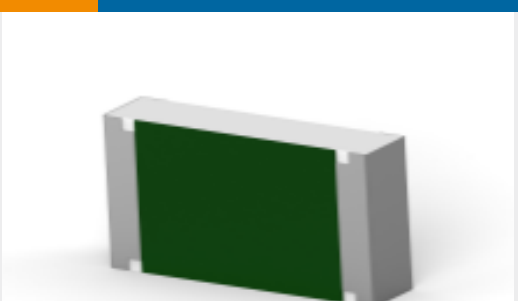
TE Part # 1415390-1
PE014F03



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



TE Part # 5-1625892-2
3W SM M/OX 5% 470R



TE Part # 4-2176398-6
3502 1M0 1%



TE Part # 8-2176404-0
3550 5R6 5%



TE Part # NB25842001
SCL-3/8-0-STK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176084-7_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176084-7_BA.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_2176084-7_BA.3d_stp.zip](#)

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Datasheets & Catalog Pages

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