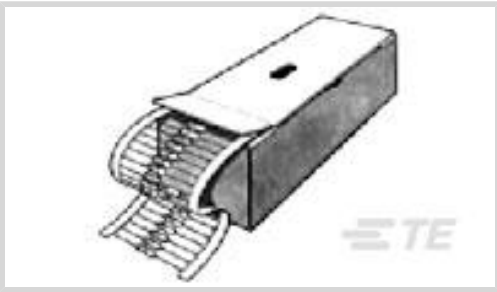




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **40 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
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Electrical Characteristics

Voltage Rating	500 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1kΩ
Resistance Value	220 Ω
Power Rating	9 W

Body Features

Passive Component Lead Type	Axial-Leaded
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Termination Features

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

Dimensions

Passive Component Dimensions	40 x 8.5 mm
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Usage Conditions

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

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: JUNE 2023 (235) 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 $^{\circ}\text{C}$

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

EP9WS220RJ

220 Ω, Wire Wound / Ceramic Composition, Power Resistor, 5 %, 40 x 8.5 mm, 2 Termination, Loose Piece - Box, 9 W, ±300 ppm/°C, Neohm EP



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 # 2176080-9
EP 9W 220R 5%

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

Also in the Series | Neohm EP

Surface Mount Resistors(1)

Through-Hole Resistors(635)

Customers Also Bought

TE Part #NB-PTCO-160
Pt100, 2.0x2.3, Class B, PTFC101B1A0

TE Part #5-1415899-0
RZ03-1A3-D024

TE Part #1393230-7
RP3SL005

TE Part #3-350566-1
MINI AMP-IN 22-18 PTLP/PHBZ

TE Part #2-2205133-1
CA MINI IO TYPE I IND RJ45

TE Part #1-2271452-4
14 PIN BTB CONNECTOR, REC HDR ASSEMBLY

TE Part #1SNK508411R0000
ZS4-SF1-T2

TE Part #63660-1
MAG-MATE POST 22-20 016TPCUBR



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2176085-9_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176085-9_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176085-9_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