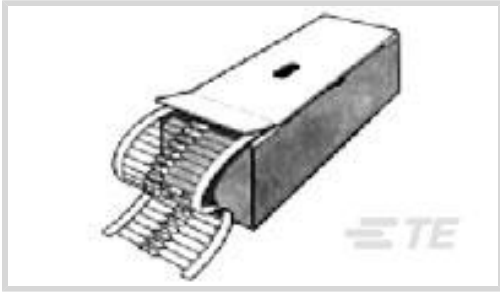




Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **25 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	33 Ω
Power Rating	7 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	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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 2176081-7
EP 1W (S) 100R 5%

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

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

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

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

Also in the Series | Neohm EP

Through-Hole Resistors(161)

Customers Also Bought

TE Part #1-1623782-1
Wirewound Resistor: Vertical Mount

TE Part #1-338068-8
FEMALE-ON-BOARD CONNECTOR
TOP ENTRY

TE Part #1-215307-7
2X17P HV100 REC CON. TE, 7.0MM

TE Part #1-215307-0
2X10P HV100 REC CON. TE, 7.0MM

TE Part #826632-5
5P AMPMODU II PIN HDR

TE Part #1-1879417-6
CPF 0603 750K 0.1% 25PPM 1K RL

TE Part #1614925-1
CPF0805 39K 0.1% 25PPM 1K RL

TE Part #1-2176331-6
CRGP 2512 180R 1%



TE Part #1-825433-2
[MOD 2 PINHDR 1X12P.](#)



TE Part #1614971-2
[CPF1206 47K 0.1% 25PPM 5K RL](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2176084-4_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176084-4_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176084-4_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 resistor - Type EP Series - Tyco Electronics Passives](#)

English