



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 100 Ω

Resistor Type: Power Resistor

Element Type: Wire Wound

Power Rating: 10 W

Resistance Class: Up to 1kΩ

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	500 V
Resistance Value	100 Ω
Power Rating	10 W
Resistance Class	Up to 1kΩ
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	38.1 x 8.5 mm
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Usage Conditions

Temperature Coefficient	±90 ppm/°C
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Packaging Features

Packaging Method	Loose Piece - Tray
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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	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 # 1-1623772-8
C7 1R0 5% AMMO PK

TE Part # 1623774-1
C14 180R 2% (LOOSE)

TE Part # 1623771-5
C3A 10R 5% AMMO PK

TE Part # 1623773-8
C10 10K 5% (LOOSE)

C10100RJL

100 ohm, Through-Hole Power Resistor, Wire Wound, 10 W, 5 %, ±90 ppm/°C, Axial-Leaded, Copper Termination, 38.1 x 8.5 mm, Loose Piece - Tray, CGS C





TE Part # 7-1623771-0
[C3A 180R 5% AMMO PK](#)

Also in the Series | [CGS C](#)



[Through-Hole Resistors\(245\)](#)

Customers Also Bought



TE Part #1-1414632-0
[V23132B2002X025](#)



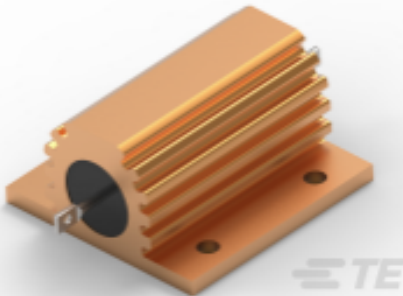
TE Part #1-2176093-2
[RP 2A 0.25W 12K1 0.1% 25PPM 1K RL](#)



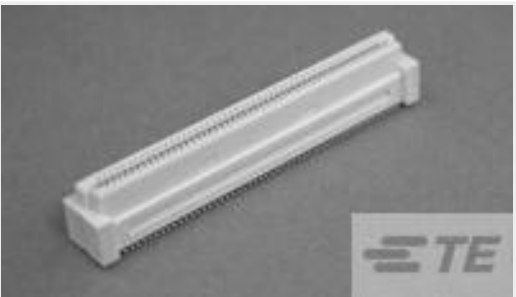
TE Part #4-1622796-6
[YR1 0.1% 82K5](#)



TE Part #2-1623774-7
[C14 2R2 5% \(LOOSE\)](#)



TE Part #CAT-C339-H85913
[Power Resistors: Aluminum Housed, HSA](#)



TE Part #5-5179009-5
[0.8FH,R09H.5,120,08/Sn,TU](#)



TE Part #710032-4
[XCT 6-6](#)



TE Part #5822021-5
[80 ME .050 VERT M/L PB-FREE](#)



TE Part #934922-000
[RMW-75/22-1200/ADH-0](#)



Documents

Product Drawings

C10 100R 5% (LOOSE)

English

CAD Files

Customer View Model

ENG_CVM_CVM_1623773-7_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1623773-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1623773-7_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

High Power Resistors - Type C Series - Tyco Electronics Passives

English