



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 51K Ω

Resistor Type: Power Resistor

Element Type: Metal Film

Power Rating: 1 W

Resistance Class: 1k Ω – 1M Ω

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	350 V
Resistance Value	51K Ω
Power Rating	1 W
Resistance Class	1k Ω – 1M 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	6.8 x 2.6 mm
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Usage Conditions

Temperature Coefficient	±300 ppm/°C
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Packaging Features

Packaging Method	Ammo Packed
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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 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 # 7-1879352-7
RR02 5% 470R AMMO

TE Part # 4-1879350-9
RR01 5% 22R AMMO

TE Part # 6-1879354-6
RR03 5% 160R AMMO

TE Part # 5-1879352-5
RR02 5% 56R AMMO

RR01J51KTB

51K ohm, Through-Hole Power Resistor, Metal Film, 1 W, 5 %, ±300 ppm/°C, Axial-Leaded, Copper Termination, 6.8 x 2.6 mm, Ammo Packed, Neohm RR



TE Part # 8-1879354-5
RR03 5% 1K0 AMMO

Also in the Series | Neohm RR



[Through-Hole Resistors\(478\)](#)

Customers Also Bought



TE Part #1-1625885-3
1W SM M/OX 5% 10K



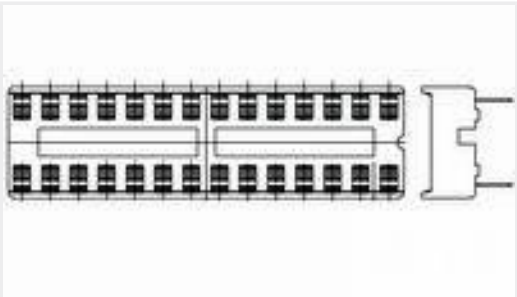
TE Part #1625886-9
1W SM M/OX 5% 390R



TE Part #8-1879350-9
RR01 5% 1K0 AMMO



TE Part #HDP24-18-20PN
REC, 20P, BLK, N, 16/20, P



TE Part #1-2199298-6
20P,DIP SKT,300 CL,LDR,PB FREE



TE Part #1-2176230-9
3522 27R 5% 3W



TE Part #3-643818-3
03P MTA156 CONN ASSY 20AWG YEL



TE Part #5226990-3
RTANG JACK,BNC PCB



TE Part #3-1879351-8
RR01 5% 100K AMMO



TE Part #6-1879350-2
RR01 5% 75R AMMO



Documents

Product Drawings

RR01 5% 51K AMMO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1879351-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1879351-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1879351-1_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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

Power Resistor - Type RR Series - Tyco Electronics Passives

English