



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 51.1K  $\Omega$

Resistor Type: Precision Resistor

Element Type: Thin Film

Power Rating: .25 W

Resistance Class: 1k $\Omega$  – 1M $\Omega$

Features

Product Type Features

|               |                    |
|---------------|--------------------|
| Resistor Type | Precision Resistor |
| Element Type  | Thin Film          |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 250 V                     |
| Resistance Value            | 51.1K $\Omega$            |
| Power Rating                | .25 W                     |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Passive Component Tolerance | .1 %                      |

Body Features

|           |              |
|-----------|--------------|
| Lead Type | Axial-Leaded |
|-----------|--------------|

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
| Number of Terminations         | 2      |

Dimensions

|                              |              |
|------------------------------|--------------|
| Passive Component Dimensions | 6.3 x 2.3 mm |
|------------------------------|--------------|



Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -65 – 155 °C |
| Temperature Coefficient     | ±15 ppm/°C   |

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Ammo Packed |
|------------------|-------------|

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                   | Out of Scope                                                                                                                  |
| 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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                     | Reflow solder capable to 260°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

YR1B51K1CC

51.1K ohm, Through-Hole Precision Resistor, Thin Film, .25 W, .1 %, ±15 ppm/°C, Axial-Leaded, Copper Termination, 6.3 x 2.3 mm, Ammo Packed, Neohm R



TE Part # 2-1676913-6  
YR1 0.1% 1K0



TE Part # 1622796-1  
YR1 0.1% 100K



TE Part # 1622796-2  
YR1 0.1% 100R

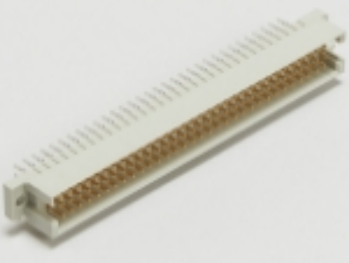


TE Part # 1622796-6  
YR1 0.1% 10K



TE Part # 2-1676913-7  
YR1 0.1% 1M0

Also in the Series | **Neohm R**



Eurocard Connectors(1)



Through-Hole Resistors(484)

Customers Also Bought



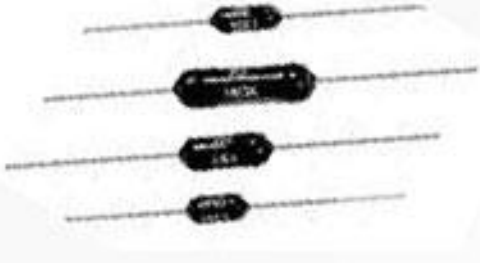
TE Part #3-1676915-8  
YR1 0.1% 909R



TE Part #4-1676914-8  
YR1 0.1% 4K99



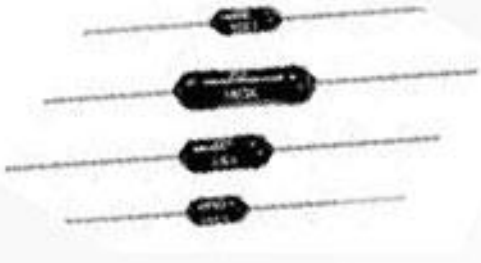
TE Part #8-1676913-9  
YR1 0.1% 33K2



TE Part #1-1879664-1  
H8 1K47 0.1% 15PPM



TE Part #3-1622796-8  
YR1 0.1% 80K6



TE Part #7-1879664-0  
H8 6K04 0.1% 15PPM



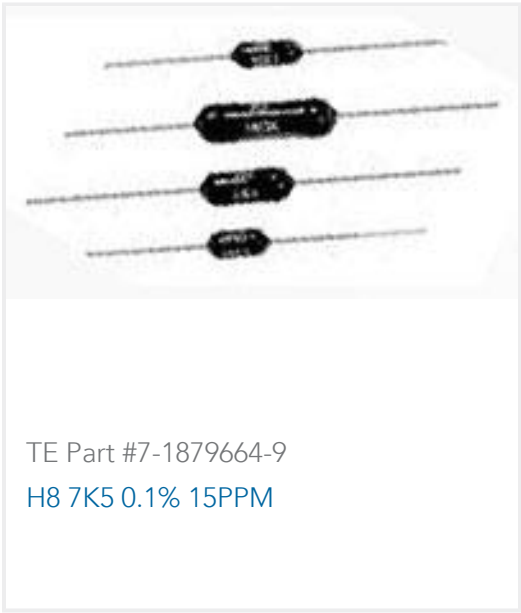
TE Part #1622796-1  
YR1 0.1% 100K



TE Part #5650478-5  
ASSY,PIN,EUROCARD,TYPE C/2,LEA

YR1B51K1CC

51.1K ohm, Through-Hole Precision Resistor, Thin Film, .25 W, .1 %, ±15 ppm/°C, Axial-Leaded, Copper Termination, 6.3 x 2.3 mm, Ammo Packed, Neohm R



Documents

Product Drawings

[YR1 0.1% 51K1](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1676914-1\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1676914-1\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1676914-1\\_BA.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1309350\\_PASSIVE\\_COMPONENT](#)

English

[Precision Metal Film Fixed Resistors - Type R Series](#)

English