



Passive Components > Resistors > Through-Hole Resistors



Resistance Value: 250 Ω

Resistor Type: Precision Resistor

Element Type: Wire Wound

Power Rating: .25 W

Resistance Class: Up to 1kΩ

Features

Product Type Features

|               |                    |
|---------------|--------------------|
| Resistor Type | Precision Resistor |
| Element Type  | Wire Wound         |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 300 V     |
| Resistance Value            | 250 Ω     |
| Power Rating                | .25 W     |
| Resistance Class            | Up to 1kΩ |
| 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 | 9.53 x 4.75 mm |
|------------------------------|----------------|



Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 145 °C |
| Temperature Coefficient     | ±5 ppm/°C    |

Packaging Features

|                  |                   |
|------------------|-------------------|
| Packaging Method | Loose Piece - Box |
|------------------|-------------------|

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)<br>Candidate List Declared Against: JUL 2021 (219)<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

UPW25B250RV

250 ohm, Through-Hole Precision Resistor, Wire Wound, .25 W, .1 %, ±5 ppm/°C, Axial-Leaded, Copper Termination, 9.53 x 4.75 mm, Neohm UPW



TE Part # 1-1624322-2  
UPW25 0.1% 3PPM 142K8



TE Part # 1-1624322-3  
UPW25 0.1% 3PPM 71K5



TE Part # 1-1624322-1  
UPW25 0.1% 5PPM 350R



TE Part # 1624323-3  
UPW50 0.1% 5PPM 10K



TE Part # 1-1624322-0  
UPW25 0.1% 5PPM 120R



TE Part # 1-1624323-0  
UPW50 0.1% 5PPM 250R



TE Part # 1624322-1  
UPW25 0.1% 5PPM 100K



TE Part # 1624322-2  
UPW25 0.1% 5PPM 100R



TE Part # 1624322-4  
UPW25 0.1% 5PPM 10R



TE Part # 1624323-1  
UPW50 0.1% 5PPM 100K



TE Part # 1624323-6  
UPW50 0.1% 5PPM 1K0



TE Part # 1-1624323-7  
UPW50 0.1% 5PPM 5K0



TE Part # 1879933-1  
UPW15 0.1% 5PPM 1K0



TE Part # 1-1624323-4  
UPW50 0.1% 5PPM 500R



TE Part # 1624323-2  
UPW50 0.1% 5PPM 100R



TE Part # 1-1624323-6  
UPW50 0.1% 5PPM 50R



TE Part # 1-1624323-2  
UPW50 0.1% 5PPM 350R



TE Part # 1624323-4  
UPW50 0.1% 5PPM 10R



TE Part # 1624322-5  
UPW25 0.1% 5PPM 1K0



TE Part # 1624322-3  
UPW25 0.1% 5PPM 10K

Also in the Series | [Neohm UPW](#)



UPW25B250RV

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Through-Hole Resistors(31)

Customers Also Bought



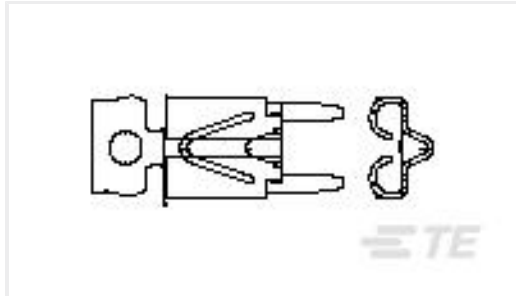
TE Part #1SNA290211R0200  
DR2.5/10.4L



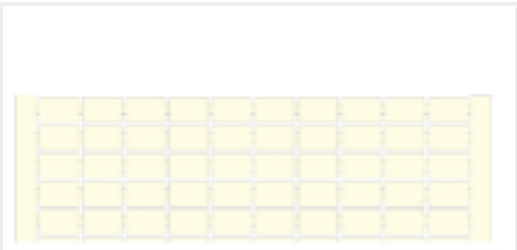
TE Part #5103308-8  
A/L LOW PRO HDR 40P VERT BLACK



TE Part #1-5103308-0  
A/L LOW PRO HDR 50P VERT BLACK



TE Part #63969-1  
FASTON 205/250 PCB MOUNTED  
TPBR



TE Part #1SNA230000R1200  
RC55



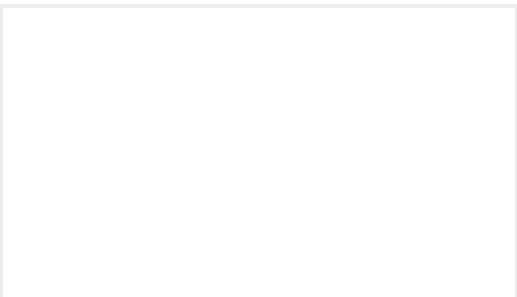
TE Part #4-6609107-0  
PS0S0SS6A=C1088



TE Part #1SNA295012R1700  
HD16/14.FF5.21.3



TE Part #1SNA290203R1300  
DR2.5/5.N.2L



TE Part #1SNA116797R1300  
SCFCV4



TE Part #7-2151109-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-  
110F170D

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1624322-6\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1624322-6\_BA.3d\_igs.zip

UPW25B250RV

250 ohm, Through-Hole Precision Resistor, Wire Wound, .25 W, .1 %, ±5 ppm/°C, Axial-Leaded, Copper Termination, 9.53 x 4.75 mm, Neohm UPW



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1624322-6\\_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

[Ultra Precision Wire-Wound Resistors - Type UPW Series - Tyco Electronics Passives](#)

English