



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Precision Resistor**  
Passive Component Dimensions: **12.7 x 6.35 mm**  
Number of Terminations: **2**  
Packaging Method: **Loose Piece - Box**  
Passive Component Tolerance: **.1 %**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Voltage Rating              | 400 V     |
| Passive Component Tolerance | .1 %      |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 250 Ω     |
| Power Rating                | .5 W      |

Body Features

|                             |              |
|-----------------------------|--------------|
| Passive Component Lead Type | Axial-Leaded |
|-----------------------------|--------------|

Termination Features

|                                             |                     |
|---------------------------------------------|---------------------|
| Number of Terminations                      | 2                   |
| Passive Component Termination Material Type | Tinned Copper Leads |

Dimensions

|                              |                |
|------------------------------|----------------|
| Passive Component Dimensions | 12.7 x 6.35 mm |
|------------------------------|----------------|



Usage Conditions

|                             |                                 |
|-----------------------------|---------------------------------|
| Operating Temperature Range | -55 – 145 $^{\circ}\text{C}$    |
| Temperature Coefficient     | $\pm 5$ ppm/ $^{\circ}\text{C}$ |

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: JUNE 2023 (235)<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 $^{\circ}\text{C}$                                                                                |

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

UPW50B250RV

250 Ω, Wire Wound, Precision Resistor, .1 %, 12.7 x 6.35 mm, 2 Termination, Loose  
Piece - Box, .5 W, ±5 ppm/°C, Neohm UPW



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



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



TE Part # 1624322-6  
UPW25 0.1% 5PPM 250R



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



TE Part # 1624322-7  
UPW25 0.1% 5PPM 50R



TE Part # 1624322-8  
UPW25 0.1% 5PPM 5K0



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



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



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



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



TE Part # 1624323-5  
UPW50 0.1% 5PPM 120R



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



TE Part # 1624323-7  
UPW50 0.1% 5PPM 200R



TE Part # 1624323-8  
UPW50 0.1% 5PPM 20K



TE Part # 1624323-9  
UPW50 0.1% 5PPM 20R



TE Part # 1-1624323-1  
UPW50 0.1% 5PPM 2K0



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

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



Customers Also Bought

TE Part #66598-9  
III+ SKT,18-14,TIN ,STRIP

TE Part #2-1879455-3  
TE 1500W 68R 5% Bracket

TE Part #8-1419111-1  
PT570048

TE Part #2176083-8  
EP 5W (S) 150R 5%

TE Part #322798  
SOLIS R HR 22-16COM 22-18MIL 8

TE Part #1-170823-5  
250 FASTON SLEEVE,REC.,  
TRANSPARENT

TE Part #170038-4  
187 FASTON,REC.,20-16 AWG,TPPB

TE Part #170084-2  
250 FASTON,REC.,18-14 AWG,TPPB

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1624323-0\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1624323-0\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1624323-0\_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

UPW50B250RV

250  $\Omega$ , Wire Wound, Precision Resistor, .1 %, 12.7 x 6.35 mm, 2 Termination, Loose  
Piece - Box, .5 W,  $\pm 5$  ppm/ $^{\circ}\text{C}$ , Neohm UPW



Ultra Precision Wire-Wound Resistors - Type UPW Series - Tyco Electronics Passives

English