



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Precision Resistor**
Element Type: **Wire Wound**
Power Rating: **.5 W**
Resistance Class: **Up to 1k Ω**
Resistance Value: **500 Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	400 V
Power Rating	.5 W
Resistance Class	Up to 1k Ω
Resistance Value	500 Ω
Passive Component Tolerance	.1 %

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	12.7 x 6.35 mm
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Usage Conditions

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

Packaging Features

Packaging Method	Loose Piece - Box
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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 2024 (240) Candidate List Declared Against: JAN 2022 (223) 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

UPW50B500RV

Precision Resistor, Wire Wound, .5 W, 500 Ω , .1 %, ± 5 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 12.7 x 6.35 mm, Loose Piece - Box, Neohm UPW



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 # 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

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



Customers Also Bought

TE Part # 806703-000
222A152-25-0

TE Part # 53115-2
TERMINAL,PIDG SPD 26-24 6

TE Part # T4161110005-005
RPC-M12-MS-5CON-PVC-5.0SH

TE Part # 848633-001
CES-4

TE Part # 843036-000
101A031-3-0

TE Part # 2180143008
55A0811-20-9

TE Part # 2820103008
44A0111-18-0

TE Part # 1SNA199095R1300
ML10/13.SF

TE Part # 1478885-4
PG EMC GLAND PG13.5

TE Part # NB26702001
TFER-3/4-X-STK

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1624323-4_BA_c-1-1624323-4-ba.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1624323-4_BA_c-1-1624323-4-ba.3d_igs.zip

UPW50B500RV

Precision Resistor, Wire Wound, .5 W, 500 Ω , .1 %, ± 5 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 12.7 x 6.35 mm, Loose Piece - Box, Neohm UPW



English

Customer View Model

[ENG_CVM_CVM_1-1624323-4_BA_c-1-1624323-4-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