



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
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Electrical Characteristics

Voltage Rating	400 V
Passive Component Tolerance	.1 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	1K Ω
Power Rating	.5 W

Body Features

Passive Component Lead Type	Axial-Leaded
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Termination Features

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

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

UPW50B1K0V

1K Ω , Wire Wound, Precision Resistor, .1 %, 12.7 x 6.35 mm, 2 Termination, Loose
Piece - Box, .5 W, ± 5 ppm/ $^{\circ}\text{C}$, 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 1K Ω



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 5K Ω



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 # 1624323-7
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 2K Ω



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

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



Customers Also Bought

TE Part #1623728-5
BCHE 11 W 15K 5%

TE Part #1625959-7
HB03RE 1G0 1% 100PPM

TE Part #1625958-4
HB01RE 100M 1% 100PPM

TE Part #2-1623930-9
CFR25 5% 1K0

TE Part #8-2176412-2
5W XSM M/OX 5% 12K

TE Part #1-1625958-5
HB01RE 1M0 1% 100PPM

TE Part #7-1415539-8
PB133012

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624323-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624323-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624323-6_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

UPW50B1K0V

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



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

English