



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: **100 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	100 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: 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

UPW50B100RV

Precision Resistor, Wire Wound, .5 W, 100 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 # 1624322-6
UPW25 0.1% 5PPM 250R



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



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

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

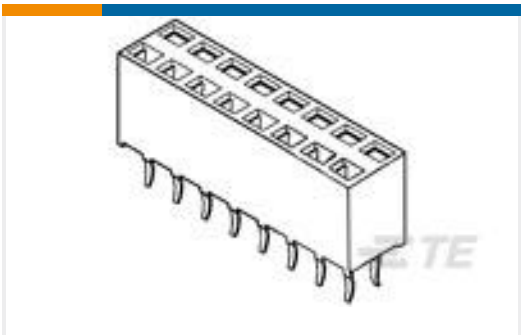


[Through-Hole Resistors\(31\)](#)

Customers Also Bought



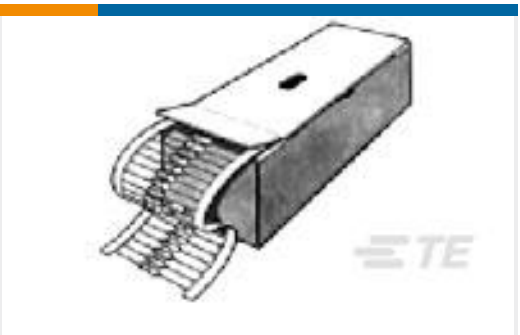
TE Part # 2-6609107-0
PS0SXSS60=C1048



TE Part # 215307-3
2X3P HV100 REC CON. TE, 7.0MM



TE Part # 60700-2
RING CRIMP 20-16 AWG TPBR



TE Part # 1-1879927-8
EP 7W 3K3 5%



TE Part # 3-2176416-1
9W STD M/OX 5% 910R



TE Part # 166632-1
IEC-F F.CONT.COSI



TE Part # 1483350-1
MICRO-MATCH LEAD 04P 100MM



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1624323-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1624323-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1624323-2_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