



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: Precision Resistor

Element Type: Metal Film

Power Rating: .5 W

Resistance Class: 1kΩ – 1MΩ

Resistance Value: 100K Ω

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	300 V
Power Rating	.5 W
Resistance Class	1kΩ – 1MΩ
Resistance Value	100K 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	10.2 x 4 mm
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Temperature Coefficient	±5 ppm/°C

Packaging Features

Packaging Method	Bulk
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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 2025 (250) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°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

UPF50B100KV

100K ohm, Metal Film, Precision Resistor, .1 %, .5 W, ±5 ppm/°C, Axial-Leaded, Copper Termination, 10.2 x 4 mm, Bulk, 2 Terminations, Holsworthy UPF





TE Part # 2176163-3

UPF50 0.1% 5PPM 10K



TE Part # 1-2176163-5

UPF50 0.1% 5PPM 500R



TE Part # 2176162-9

UPF25 0.1% 5PPM 50R



TE Part # 1-2176163-0

UPF50 0.1% 5PPM 250R



TE Part # 2176162-7

UPF25 0.1% 5PPM 250R

Also in the Series | [Holsworthy UPF](#)



[Through-Hole Resistors\(27\)](#)

Customers Also Bought



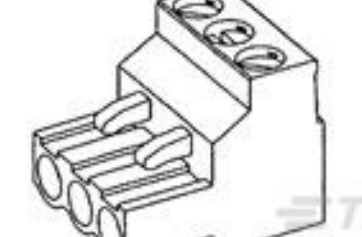
TE Part #207464-2

CRIMP SNAP PLUG ASSY,SZ 3



TE Part #1-796375-1

CPC PSTD RCPT,13-9,R/A LF



TE Part #1-796634-0

10 POS 5.08MM R/A PLUG,TRM BLK



TE Part #5-1478762-1

Metal backshell 9 way Top Entry-KIT



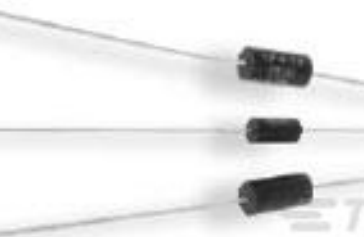
TE Part #5-1478762-2

Metal backshell 15 way Top Entry-KIT



TE Part #5-1478762-3

Metal backshell 25 way Top Ent



TE Part #1624323-2

UPW50 0.1% 5PPM 100R



TE Part #2176163-2

UPF50 0.1% 5PPM 100R

UPF50B100KV

100K ohm, Metal Film, Precision Resistor, .1 %, .5 W, ±5 ppm/°C, Axial-Leaded, Copper Termination, 10.2 x 4 mm, Bulk, 2 Terminations, Holsworthy UPF





TE Part #5787908-1
[KIT,RCPT,15P,HDP-20,SHLD HDWRE](#)

TE Part #CB03356003
[RW-200-E-3/8-0-40MM](#)

Documents

Product Drawings

[UPF50 0.1% 5PPM 100K](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2176163-1_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176163-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176163-1_BA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[High Precision Metal Film Leaded Resistor Type UPF Series](#)

English