



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Precision Resistor**

Passive Component Dimensions: **10.2 x 4 mm**

Number of Terminations: **2**

Packaging Method: **Bulk**

Passive Component Tolerance: **.1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Element Type	Metal Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	300 V
Passive Component Tolerance	.1 %
Resistance Class	Up to 1kΩ
Resistance Value	500 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	10.2 x 4 mm
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Usage Conditions

Operating Temperature Range	-55 – 125 °C
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

UPF50B500RV

500 Ω, Metal Film, Precision Resistor, .1 %, 10.2 x 4 mm, 2 Termination, Bulk, .5 W, ±5 ppm/°C, Tinned Copper Leads Termination, Holsworthy UPF



 TE Part # 2176162-5 UPF25 0.1% 5PPM 120R	 TE Part # 2176162-7 UPF25 0.1% 5PPM 250R	 TE Part # 2176163-1 UPF50 0.1% 5PPM 100K	 TE Part # 2176163-2 UPF50 0.1% 5PPM 100R
 TE Part # 2176163-4 UPF50 0.1% 5PPM 10R	 TE Part # 2176163-6 UPF50 0.1% 5PPM 1K0	 TE Part # 2176163-9 UPF50 0.1% 5PPM 20R	 TE Part # 2176162-1 UPF25 0.1% 5PPM 100K
 TE Part # 2176162-2 UPF25 0.1% 5PPM 100R	 TE Part # 2176162-3 UPF25 0.1% 5PPM 10K	 TE Part # 2176162-4 UPF25 0.1% 5PPM 10R	 TE Part # 2176162-6 UPF25 0.1% 5PPM 1K0
 TE Part # 2176162-8 UPF25 0.1% 5PPM 350R	 TE Part # 2176162-9 UPF25 0.1% 5PPM 50R	 TE Part # 1-2176162-0 UPF25 0.1% 5PPM 5K0	 TE Part # 2176163-3 UPF50 0.1% 5PPM 10K
 TE Part # 2176163-5 UPF50 0.1% 5PPM 120R	 TE Part # 2176163-7 UPF50 0.1% 5PPM 200R	 TE Part # 2176163-8 UPF50 0.1% 5PPM 20K	 TE Part # 1-2176163-0 UPF50 0.1% 5PPM 250R

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

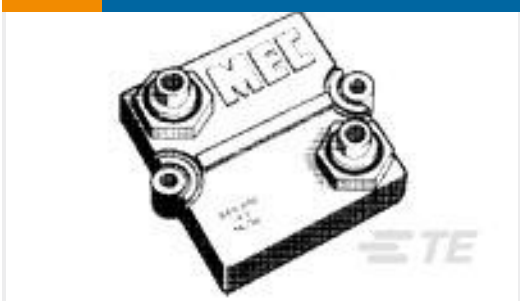
UPF50B500RV

500 Ω, Metal Film, Precision Resistor, .1 %, 10.2 x 4 mm, 2 Termination, Bulk, .5 W, ±5 ppm/°C, Tinned Copper Leads Termination, Holsworthy UPF

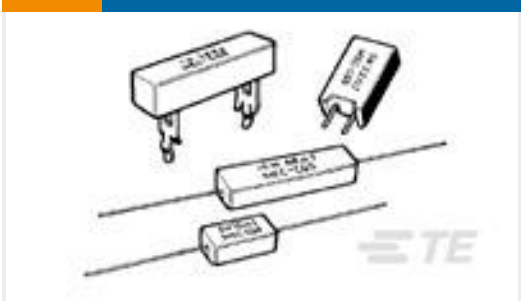


Through-Hole Resistors(28)

Customers Also Bought



TE Part #1-1614782-4
BDS 2 A 100 470R 10%



TE Part #1-1623789-8
SQM7 68R 5% (WIRE)



TE Part #ZPF000000000007504
983-OSE 10-06 PN



TE Part #K1060710
Battery Disconnect 35-200-901



TE Part #ZPF000000000007185
983-ORS 10-06 PN



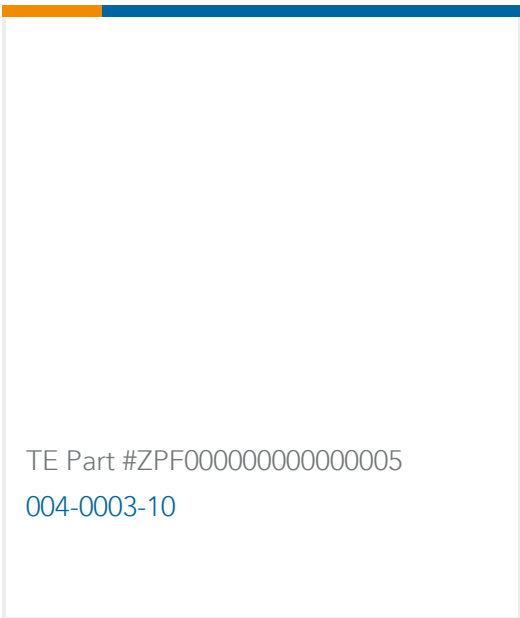
TE Part #ZPF000000000007456
983-OSE 08-03 P6 L



TE Part #ZPF000000000007464
983-OSE 08-03 PN



TE Part #ZPF000000000018852
FDBA 54-12-10 PN-K-A499



TE Part #ZPF000000000000005
004-0003-10



TE Part #04-0790-0102
PTX150-0025-111-4300

Documents

Product Drawings

UPF50 0.1% 5PPM 500R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176163-5_BA.2d_dxf.zip

UPF50B500RV

500 Ω , Metal Film, Precision Resistor, .1 %, 10.2 x 4 mm, 2 Termination, Bulk, .5 W, ± 5 ppm/ $^{\circ}$ C, Tinned Copper Leads Termination, Holsworthy UPF



English

Customer View Model

[ENG_CVM_CVM_1-2176163-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2176163-5_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

Product Environmental Compliance

[Product Compliance](#)

English

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