



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	250 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	Low Halogen - Br, Cl, F, I < 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

UPF50B250RV

250 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 # 1-2176163-5 UPF50 0.1% 5PPM 500R
 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

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

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Through-Hole Resistors(28)

Customers Also Bought



TE Part #206038-1
CPC RECPT ASSEMBLY SIZE 17-28



TE Part #2-1991253-5
25 WAY LOW COST D SUB BACKSHEL



TE Part #640051-1
RING TONGUE .164 18-14 AWG SST



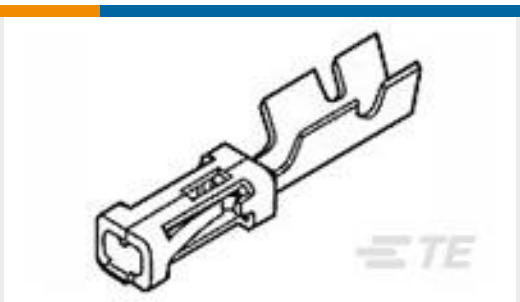
TE Part #2176186-9
CRGH1206 1% 560R 0.5W



TE Part #DT3P-DC
PROTECT CVR, 3P, REC, GRY, DT



TE Part #1462000-7
C93402=MT Relay 150 mW 12 V



TE Part #141603-4
MOD-4 REC.CONTACT



TE Part #144176-E
ERBIC BUS B BUS-SYSTEM SYS PROF
HO SC CU

Documents

Product Drawings

UPF50 0.1% 5PPM 250R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176163-0_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176163-0_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176163-0_BA.3d_stp.zip

English

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

UPF50B250RV

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



[Datasheets & Catalog Pages](#)

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

English