



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: Precision Resistor

Element Type: Metal Film

Power Rating: .25 W

Resistance Class: 1k $\Omega$  - 1M $\Omega$

Resistance Value: 5K  $\Omega$

Features

Product Type Features

|               |                    |
|---------------|--------------------|
| Resistor Type | Precision Resistor |
| Element Type  | Metal Film         |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 250 V                     |
| Power Rating                | .25 W                     |
| Resistance Class            | 1k $\Omega$ - 1M $\Omega$ |
| Resistance Value            | 5K $\Omega$               |
| Passive Component Tolerance | .1 %                      |

Body Features

|           |              |
|-----------|--------------|
| Lead Type | Axial-Leaded |
|-----------|--------------|

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
| Number of Terminations         | 2      |

Dimensions

|                              |            |
|------------------------------|------------|
| Passive Component Dimensions | 7 x 2.7 mm |
|------------------------------|------------|



Usage Conditions

|                             |                                 |
|-----------------------------|---------------------------------|
| Operating Temperature Range | -55 - 125 $^{\circ}\text{C}$    |
| Temperature Coefficient     | $\pm 5$ ppm/ $^{\circ}\text{C}$ |

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Bulk |
|------------------|------|

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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 $^{\circ}\text{C}$                                                                                  |

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

UPF25B5K0V

Precision Resistor, Metal Film, .25 W, 5K  $\Omega$ , .1 %,  $\pm 5$  ppm/ $^{\circ}\text{C}$ , Axial-Leaded, Copper Termination, 7 x 2.7 mm, Bulk, 2 Termination, Holsworthy UPF



TE Part # 2176162-7  
UPF25 0.1% 5PPM 250R

TE Part # 1-2176163-5  
UPF50 0.1% 5PPM 500R

TE Part # 2176162-9  
UPF25 0.1% 5PPM 50R

TE Part # 2176163-3  
UPF50 0.1% 5PPM 10K

TE Part # 1-2176163-0  
UPF50 0.1% 5PPM 250R

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

Through-Hole Resistors(28)

Customers Also Bought

TE Part # 4-1825139-2  
A213SYZQ04

TE Part # 1622826-4  
CRG0402 5% 10K

TE Part # 1622796-1  
YR1 0.1% 100K

TE Part # SP44905X-15  
44905X GSFC 311P18-05A76R

TE Part # 2-1879129-8  
RN 0402 1K5 0.1% 10PPM CUT LENGTH

TE Part # 1SNA110491R1700  
DR4/6.1

TE Part # 452525-000  
DS-10-12-RS

TE Part # 2-1579008-1  
EXTRACTION TOOL



Documents

Product Drawings

UPF25 0.1% 5PPM 5K0

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2176162-0\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2176162-0\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2176162-0\_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