

## Holsworthy | Holsworthy UPF

TE Internal #: 2176163-4

 $10 \Omega$ , Metal Film, Precision Resistor, .1 %,  $10.2 \times 4$  mm, 2

Termination, Bulk, .5 W, ±5 ppm/°C, Copper Termination, Axial-

Leaded, Holsworthy UPF

View on TE.com >



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**

Resistor Type	Precision Resistor
Element Type	Metal Film
Configuration Features	
Number of Resistors	1
Electrical Characteristics	
Operating Voltage	300 V
Passive Component Tolerance	.1 %
Resistance Class	Up to $1k\Omega$
Resistance Value	10 Ω
Power Rating	.5 W
Body Features	
Lead Type	Axial-Leaded

# Termination Features

Number of Terminations	2
Termination Area Base Material	Copper

#### **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

## **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**





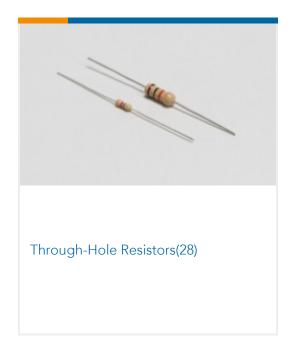








# Also in the Series | Holsworthy UPF



# Customers Also Bought













## **Documents**

## **Product Drawings**

UPF50 0.1% 5PPM 10R

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2176163-4\_BA.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2176163-4\_BA.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2176163-4\_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