# UPF25B250RV ✔ ACTIVE

Holsworthy | Holsworthy UPF

TE Internal #: 2176162-7

Precision Resistor, Metal Film, .25 W, 250 ohm, .1 %, ±5 ppm/°C, Axial-Leaded, Copper Termination, 7 x 2.7 mm, Bulk, 2 Termination, Holsworthy UPF

View on TE.com >

Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Precision Resistor**

Element Type: **Metal Film**

Power Rating: **.25 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **250 Ω**

## 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 | Up to 1kΩ |
| Resistance Value | 250 Ω |
| 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 °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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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



TE Part # 2176162-5
UPF25 0.1% 5PPM 120R



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 # 2176162-2
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



TE Part # 1-2176163-2
UPF50 0.1% 5PPM 330R

## Also in the Series | Holsworthy UPF



Through-Hole Resistors(28)

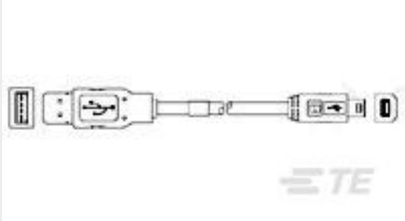
## Customers Also Bought



TE Part #7-1393211-4
T92P7D32-24



TE Part #1879447-9
TE 200W 4R7 5% Bracket



TE Part #1496476-3
STD USB-A TO MINI-B ASSY 2.0M



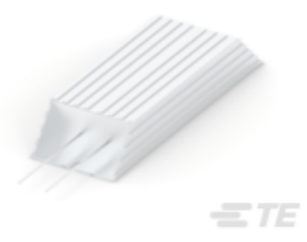
TE Part #3-1617108-2
PRMAC-26X=PRMA COTS TO-5 RELAY



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



TE Part #175091-1
.187 SEALD REC CONT L



TE Part #2-2176507-4
CJP 200W 47R 5% Lead

TE Part #ZPF000000000121267
504-8024-00

## Documents

### Product Drawings

UPF25 0.1% 5PPM 250R

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176162-7_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176162-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176162-7_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

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Global Electronic Components Distributor

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## TE Connectivity:

175977-2 2380312-2 1969656-1 3631B101LL MPT100C18RF 3-1393225-0 1393431-1 2005330-1 SBCHE154R7K 1-794222-0 1903112-2 2-292161-3 3430B2F51RTDF TE50BR39J U5254-000005-030PA 2310537-1 2834055-1 650075-000 917696-1 RH73H2A40MKTN ROX05SJ18R SBCHE64R7K 1743455-2 936348-1 SMW73R0JT 1-962915-1 141991-2 2377783-2 CPF0402B37K4E1 CRGCQ2010J3K3