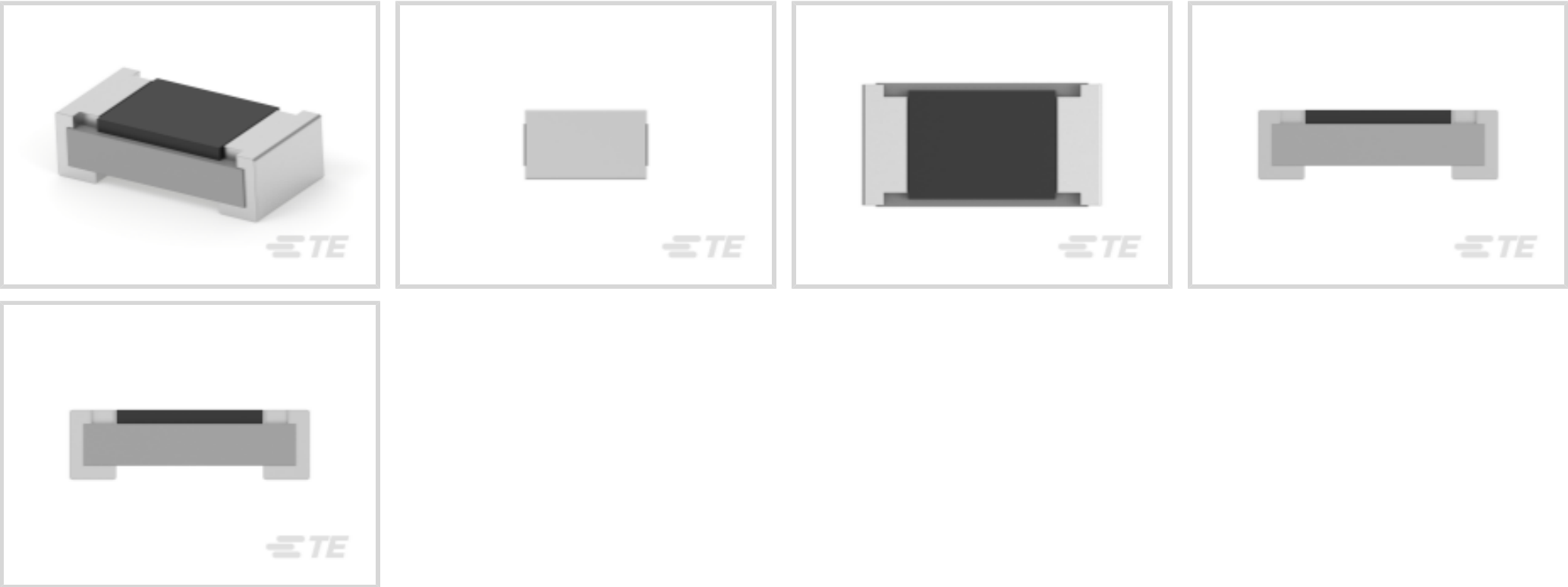




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**  
Number of Terminations: **2**  
Package Size Code: **0603**  
Packaging Method: **Taped & Reeled**  
Passive Component Tolerance: **.1 %**

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Product Type      | Fixed Resistor     |
| Resistor Type     | Precision Resistor |
| Package Size Code | 0603               |
| Element Type      | Thin Film          |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Voltage Rating              | 50 V                      |
| Passive Component Tolerance | .1 %                      |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Resistance Value            | 47K $\Omega$              |
| Power Rating                | .0625 W                   |

Termination Features

|                        |   |
|------------------------|---|
| Number of Terminations | 2 |
|------------------------|---|



|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
|-----------------------------------------|--------|

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Passive Component Dimensions | 1.55 x .8 x .45 mm |
|------------------------------|--------------------|

Usage Conditions

|                             |                                  |
|-----------------------------|----------------------------------|
| Operating Temperature Range | -55 – 155 $^{\circ}\text{C}$     |
| Temperature Coefficient     | $\pm 25$ ppm/ $^{\circ}\text{C}$ |

Packaging Features

|                  |                |
|------------------|----------------|
| Packaging Method | Taped & Reeled |
|------------------|----------------|

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)<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                     | Reflow solder capable to 260 $^{\circ}\text{C}$                                                                                 |

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

CPF-A-0603B47KE

47K  $\Omega$ , Thin Film, Precision Resistor, .1 %, 2 Termination, 0603, Taped & Reeled, .0625 W,  $\pm 25$  ppm/ $^{\circ}\text{C}$ , Solder, 1.55 x .8 x .45 mm, Neohm CPF



TE Part # 4-2176237-2

CPF A 0603 10K 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF

Surface Mount Resistors(6124)

Customers Also Bought

TE Part #1-968718-1

MESSERLEISTE MIX42P

TE Part #NB17372001

RP-4800-NO.2-0-STK

TE Part #ASA046M0485050A000

617 PLUG, SPEEDTEC

TE Part #ASA046F1185050A000

617 PLUG, SPEEDTEC

TE Part #BSA880F0885055A000

917 PLUG, SPEEDTEC

TE Part #BSA878M0885055A000

917 PLUG, SPEEDTEC

TE Part #11-0402-002-000

617 extension housing

TE Part #AKA047M0485054A000

617 EXTENSION, SPEEDTEC

TE Part #BKA878M0885059A000

917 EXTENSION, SPEEDTEC



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-2176237-4\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2176237-4\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2176237-4\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Automotive Grade Thin Film Chip Resistor - Type CPF-A Series

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English