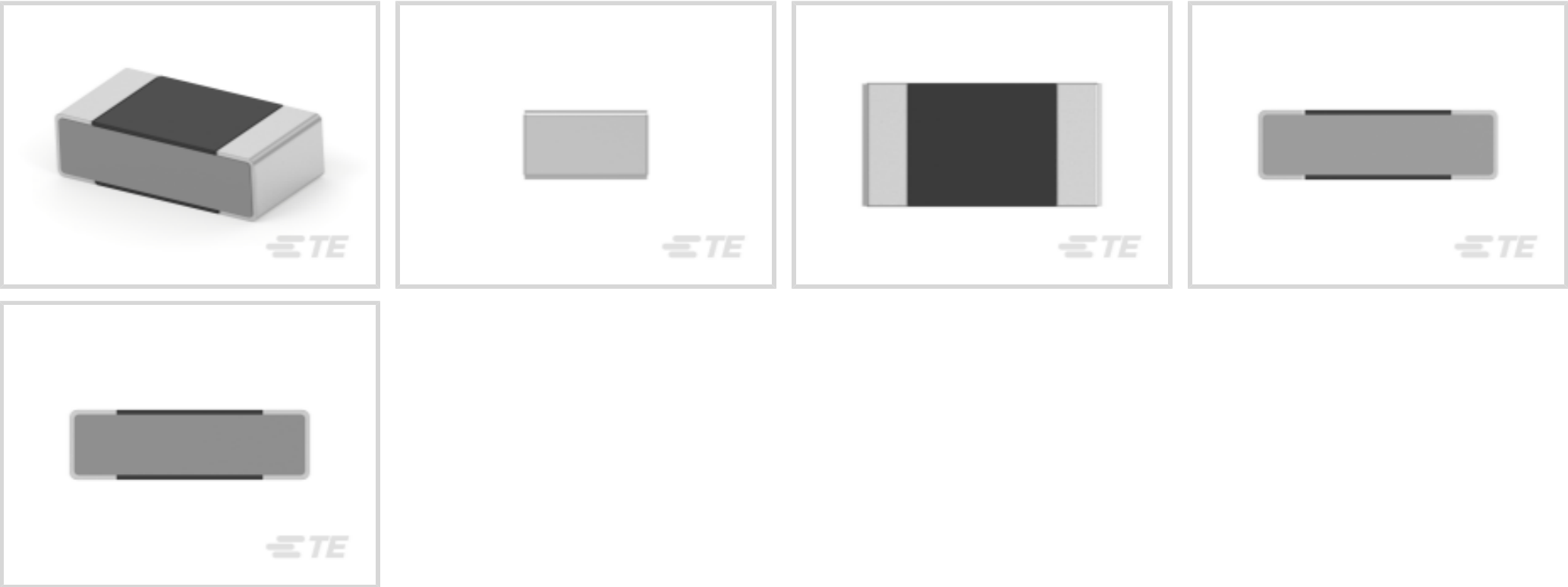




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Resistance Value: **523K  $\Omega$**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Power Rating                | .063 W                    |
| Resistance Value            | 523K $\Omega$             |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Passive Component Tolerance | .1 %                      |

Termination Features

|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations                  | 2      |



Dimensions

|                |                  |
|----------------|------------------|
| Product Height | .45 mm[.018 in]  |
| Product Length | 1.55 mm[.061 in] |
| Product Width  | .8 mm[.031 in]   |

Usage Conditions

|                         |            |
|-------------------------|------------|
| Temperature Coefficient | ±25 ppm/°C |
|-------------------------|------------|

Industry Standards

|                            |   |
|----------------------------|---|
| Moisture Sensitivity Level | 1 |
|----------------------------|---|

Packaging Features

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

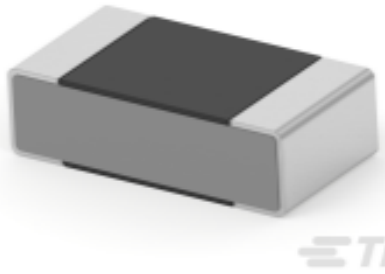
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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°C                                                                                                  |

Product Compliance Disclaimer

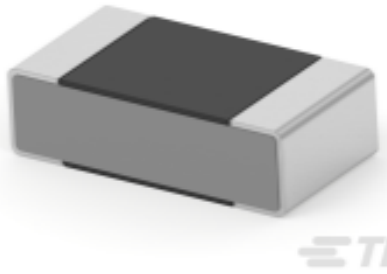
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 6-1879417-1  
CPF0603 511K 0.1% 25PPM 1K RL



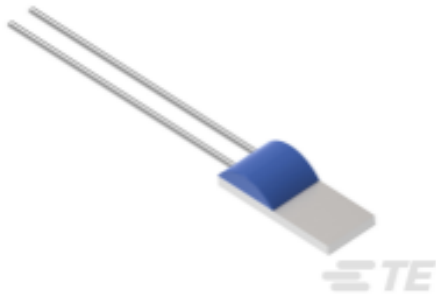
TE Part # 6-1879417-3  
CPF0603 536K 0.1% 25PPM 1K RL

Also in the Series | [Neohm CPF](#)



Surface Mount Resistors(6123)

Customers Also Bought



TE Part #NB-PTCO-037  
Pt100, 2.0x5.0, Class A, PTFD101A1G0



TE Part #5-104361-4  
05 MTE HDR SRRA LATCH W/HLDWN



TE Part #5-103957-6  
2X7 MTE RCPT SR LATCH .100CL



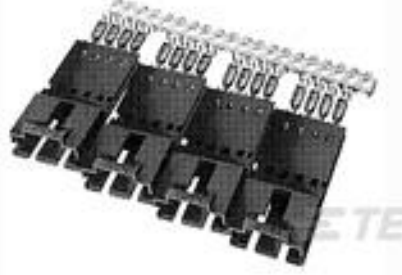
TE Part #5-103904-4  
5 MTE HDR SRRA LATCH W/HLDWN



TE Part #1623107-1  
CRG0805 1% 120R



TE Part #1337810-1  
50 OHM COAX SMA STR PLUG ELB P



TE Part #5-103945-3  
4X4 MTE SHRD PIN SR LATCH .100

Documents

Product Drawings

[CPF0603 523K 0.1% 25PPM 1K RL](#)

English

Datasheets & Catalog Pages

[CPF-1016](#)

English

CPF0603B523KE1

Precision Resistor, Thin Film, 0603, .063 W, 523K ohm, .1 %, ±25 ppm/°C, Solder, 2 Termination, Height .45 mm [.018 in], Neohm CPF

