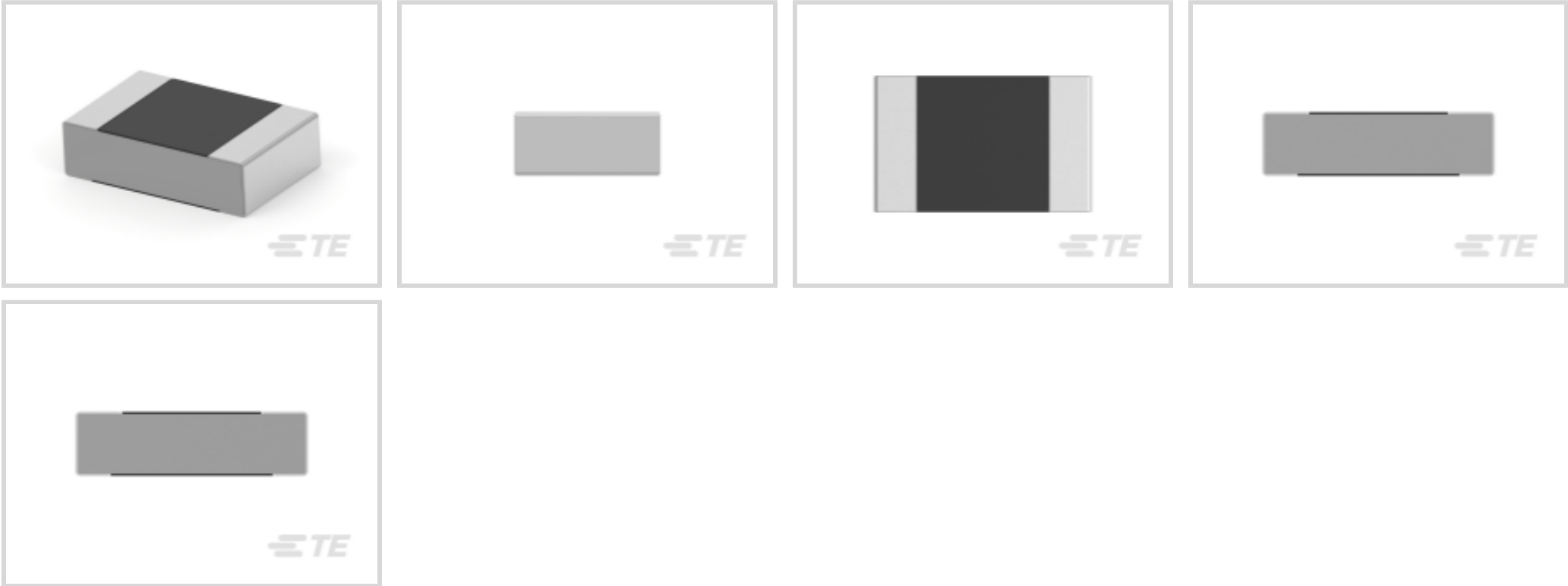




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**  
Element Type: **Thin Film**  
Package Size Code: **0805**  
Power Rating: **.1 W**  
Resistance Value: **1.0M  $\Omega$**

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Resistor Type     | Precision Resistor |
| Element Type      | Thin Film          |
| Package Size Code | 0805               |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 100 V                     |
| Power Rating                | .1 W                      |
| Resistance Value            | 1.0M $\Omega$             |
| Resistance Class            | 1M $\Omega$ – 1G $\Omega$ |
| Passive Component Tolerance | .1 %                      |

Termination Features

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



Dimensions

|                |                  |
|----------------|------------------|
| Product Height | .55 mm[.022 in]  |
| Product Length | 2 mm[.079 in]    |
| Product Width  | 1.25 mm[.049 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 155 °C[-67 – 311 °F] |
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| 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 # 6-2176238-7

CPF A 0805 100K 0.1% 25PPM 5K RL

Also in the Series | NEOHM CPF

Surface Mount Resistors(5842)

Customers Also Bought

TE Part #CAT-377-MSSCB3

Mini Spring Sockets: Closed Bottom, 3A

TE Part #1614884-9

CPF 0805 4R7 0.1% 25PPM 1K RL

TE Part #4-1625867-0

RP 1J 0.166W 15R8 0.1% 25PPM 1K RL

TE Part #6-1625867-4

RP 1J 0.166W 28R 0.1% 25PPM 1K RL

TE Part #1-1761608-3

IDC LOW PRO HDR 40P VERT SHT L

TE Part #7-2176092-8

RP 2A 0.25W 4K99 0.1% 25PPM 1K RL

TE Part #5050863-5

SOCKET,MIN-SPR SN-AU SER-2

TE Part #1399369-1

98410A113, RETAINING RING, MCM



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_7-2176238-0\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-2176238-0\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-2176238-0\_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