# CPF-A-0805B680RE1 ✔ ACTIVE

Neohm | Neohm CPF

TE Internal #: 3-2176217-1

Precision Resistor, Thin Film, 0805, .1 W, 680 ohm, .1 %, ±25 ppm/°C, Solder, 2 Termination, Height .55 mm [.022 in], Length 2 mm [.079 in], Neohm CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0805**

Power Rating: **.1 W**

Resistance Value: **680 Ω**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Power Rating | .1 W |
| Resistance Value | 680 Ω |
| Resistance Class | Up to 1kΩ |
| 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

| | |
|---|---|
| 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 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°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 # 4-2176215-5
CPF A 0402 68K 0.1% 25PPM 1K RL



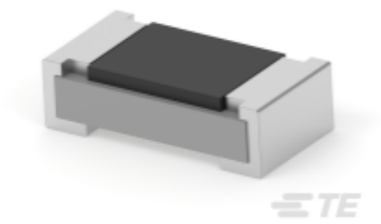
TE Part # 6-2176216-5
CPF A 0603 200K 0.1% 25PPM 1K RL



TE Part # 4-2176217-9
CPF A 0805 10K 0.1% 25PPM 1K RL

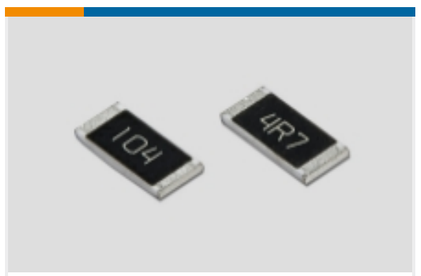


TE Part # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL



TE Part # 2-2176237-5
CPF A 0603 680R 0.1% 25PPM 5K RL

## Also in the Series | Neohm CPF




Surface Mount Resistors(5842)

## Customers Also Bought



TE Part #5-1676966-3
SMW2 15R 5%



TE Part #963357-2
Low & Medium Power Header



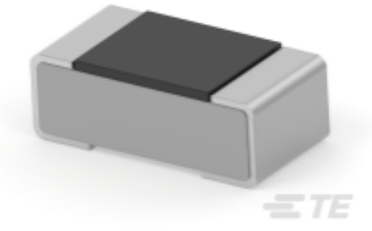
TE Part #5-794618-4
24P MICRO MNL ASSY R/A HDR LF



TE Part #1-1623720-0
CCR2 47R 10%



TE Part #1614917-1
CPF0805 2K2 0.1% 25PPM 5K RL



TE Part #1-2176338-1
CRGCQ 0402 47R 5%

TE Part #11021230-00
GLS9-AXIAL GLASS SUB

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176217-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176217-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176217-1_BA.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

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## TE Connectivity:

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