# CPF0402B1K78E1 ✔ ACTIVE

NEOHM | NEOHM CPF

TE Internal #: 6-1879214-7

1.78K ohm, Thin Film, Precision Resistor, .1 %, 0402, .063 W, ±25 ppm/°C, Solder, 2 Terminations, .3 mm [.012 in] Height, NEOHM CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0402**

Power Rating: **.063 W**

Resistance Value: **1.78K Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | Precision Resistor |
| Element Type | Thin Film |
| Package Size Code | 0402 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 25 V |
| Power Rating | .063 W |
| Resistance Value | 1.78K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| Passive Component Tolerance | .1 % |

### Termination Features

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

### Dimensions

| | |
|---|---|
| Product Height | .3 mm[.012 in] |
| Product Length | 1 mm[.039 in] |
| Product Width | .5 mm[.02 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 | Out of Scope |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 1879417-8
CPF0603 1M0 0.1% 25PPM 5K RL



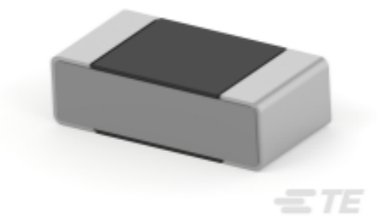
TE Part # 3-1879216-5
CPF0402 200K 0.1% 25PPM 1K RL



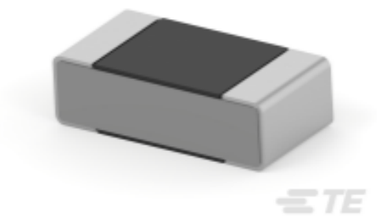
TE Part # 1-1614959-4
CPF0805 2M0 0.1% 25PPM 1K RL



TE Part # 1-1879417-9
CPF 0603 1M0 0.1% 25PPM 1K RL

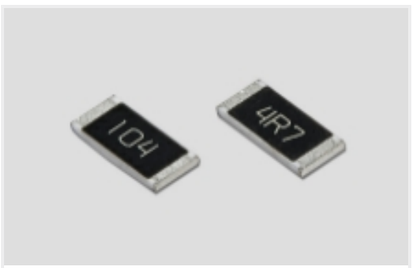


TE Part # 1879211-4
CPF 0402 1K78 0.1% 25PPM 5K RL



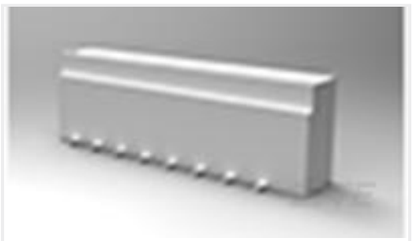
TE Part # 9-1879216-1
CPF 0402 158K 0.1% 25PPM 5K RL

## Also in the Series | NEOHM CPF

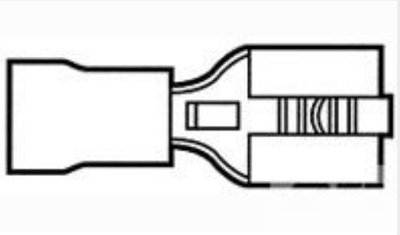



Surface Mount Resistors(5842)

## Customers Also Bought



TE Part #3-84982-0
1MM FFC SMT V ASSY 30P EMBOSS



TE Part #160314-2
250 FASTON



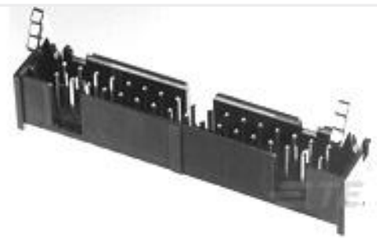
TE Part #5-532955-3
20 MODII 2PC CE RCPT ASSY, RoHS



TE Part #3-644695-3
03P MTA100 STR HDR RETENTIVE



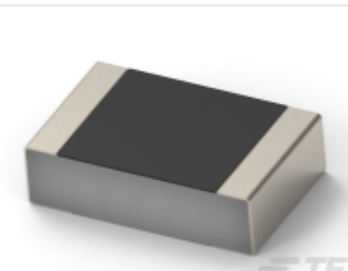
TE Part #1734753-1
MINI USB, TYPE B, VERTICAL, T/H



TE Part #1761606-3
IDC LOW PRO HDR 10P VERT LAT BLK



TE Part #2176244-1
CRGS0805 5% 1R0



TE Part #2-2176452-0
CPF 0201 845R 0.1% 25ppm 1K RL



TE Part #2199001-1
SHIELD FINGER 1210 EMBOSS PACKING



TE Part #5747845-4
15 MSFL RCPT RA 318 (IN,FM,BL)

# Documents

## Product Drawings

CPF 0402 1K78 0.1% 25PPM 1K RL

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_6-1879214-7_BA.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_6-1879214-7_BA.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_6-1879214-7_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

CPF-1016

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English