# CPF0603B31K6E ✔ ACTIVE

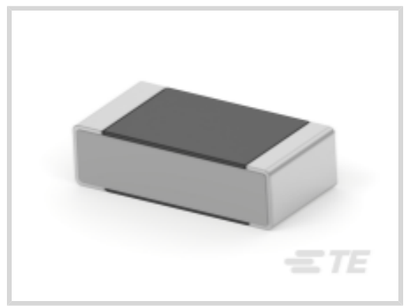
NEOHM | NEOHM CPF

TE Internal #: 5-1879220-0

31.6K ohm, Thin Film, Precision Resistor, .1 %, 0603, .063 W, ±25 ppm/°C, Solder, 2 Terminations, .45 mm [.018 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: **0603**

Power Rating: **.063 W**

Resistance Value: **31.6K Ω**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 V |
| Power Rating | .063 W |
| Resistance Value | 31.6K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| 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

| | |
|---|---|
| Operating Temperature Range | -55 – 155 °C[-67 – 311 °F] |
| Temperature Coefficient | ±25 ppm/°C |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Method | Reel |

# Product Compliance

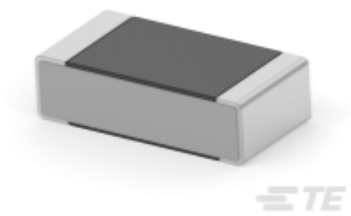
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

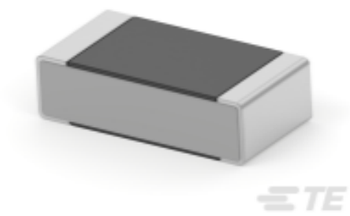
Product Compliance Disclaimer

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

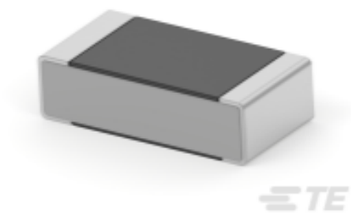
## Compatible Parts



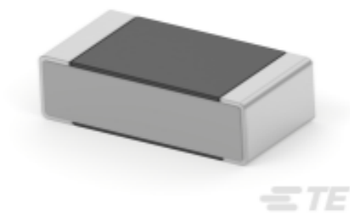
TE Part # 6-1879220-6
CPF 0603 48K7 0.1% 25PPM 5K RL



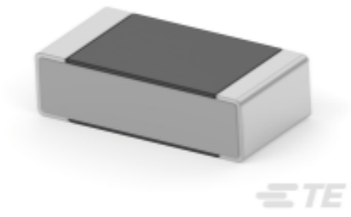
TE Part # 5-1879220-7
CPF 0603 37K4 0.1% 25PPM 5K RL



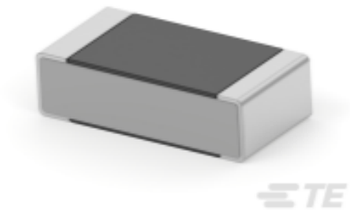
TE Part # 9-1879220-8
CPF 0603 113K 0.1% 25PPM 5K RL



TE Part # 2-1879220-8
CPF 0603 17K4 0.1% 25PPM 5K RL

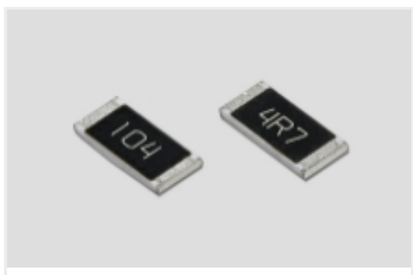


TE Part # 1-1879220-0
CPF 0603 10K2 0.1% 25PPM 5K RL



TE Part # 4-1879220-3
CPF 0603 26K1 0.1% 25PPM 5K RL

## Also in the Series | NEOHM CPF




Surface Mount Resistors(5840)

## Documents

### Product Drawings

CPF 0603 31K6 0.1% 25PPM 5K RL

English

### CAD Files

Customer View Model

ENG_CVM_CVM_5-1879220-0_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1879220-0_BA.3d_stp.zip

English

## Customer View Model

ENG_CVM_CVM_5-1879220-0_BA.3d_igs.zip

English

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

## Datasheets & Catalog Pages

CPF-1016

English