# CPF0402B107KE1 ✔ ACTIVE

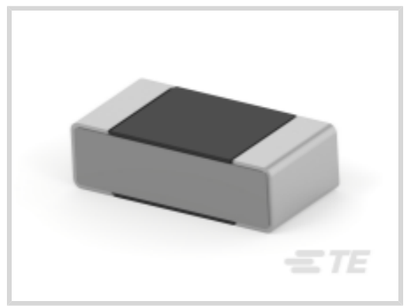
NEOHM | NEOHM CPF

TE Internal #: 2176280-5

107K 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: **107K 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

| | |
|---|---|
| Power Rating | .063 W |
| Resistance Value | 107K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| Passive Component Tolerance | .1 % |

### Termination Features

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

## Dimensions

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|---|---|
| Product Height | .3 mm[.012 in] |
| Product Length | 1 mm[.039 in] |
| Product Width | .5 mm[.02 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

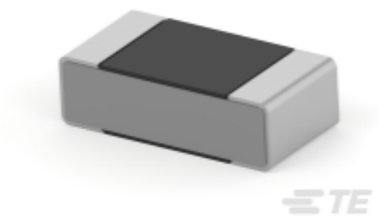
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Out of Scope |
| 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 |

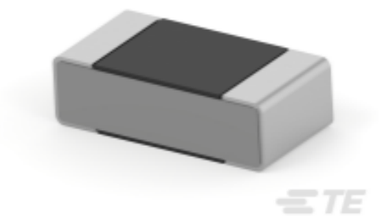
Product Compliance Disclaimer

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

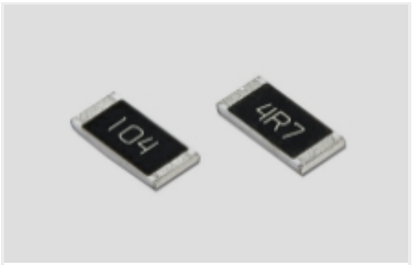


TE Part # 2-1879061-8
CPF 0402 110R 0.1% 25PPM 5K RL



TE Part # 2176280-4
CPF 0402 105K 0.1% 25PPM 1K RL

## Also in the Series | NEOHM CPF

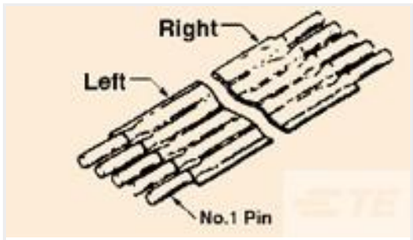



Surface Mount Resistors(5840)

## Customers Also Bought



TE Part #811872-SF
RB6522-16-1M0




TE Part #2-1437190-5
FST-26A-3



TE Part #6-1879208-1
CPF 0402 3K3 0.1% 25PPM 1K RL



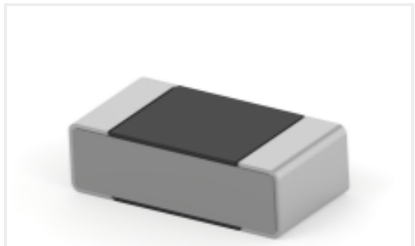
TE Part #8-1879214-2
CPF 0402 2K61 0.1% 25PPM 1K RL



TE Part #2-1986712-4
SCREWLESS, SW,24P,5.08 PCB




TE Part #4-2176231-6
3522 750R 1% 3W



TE Part #2-2176280-2
CPF 0402 174K 0.1% 25PPM 1K RL




TE Part #4-2176455-9
CPF 0402 348K 0.1% 25ppm 1K RL




TE Part #6-2176455-0

CPF 0402 453K 0.1% 25ppm 1K RL



TE Part #966870-1

MOD2 ST-WANNE 2X 8P

## Documents

### Product Drawings

CPF 0402 107K 0.1% 25PPM 1K RL

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176280-5_BA.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2176280-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176280-5_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