# CPF0402B8K25E ✔ ACTIVE

Neohm | Neohm CPF

TE Internal #: 6-1879211-6

8.25K ohm, Surface Mount Precision Resistor, Thin Film, 0402, .063 W, .1 %, ±25 ppm/°C, Solder, 2 Terminations, .3 mm [.012 in] Height, Neohm CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistance Value: **8.25K Ω**

Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0402**

Power Rating: **.063 W**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Resistance Value | 8.25K Ω |
| Power Rating | .063 W |
| 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

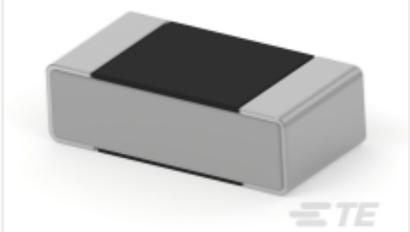
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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

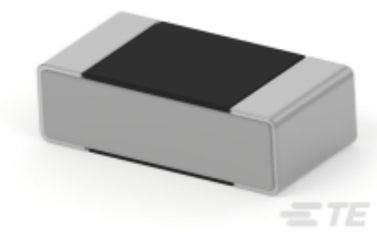
## Compatible Parts



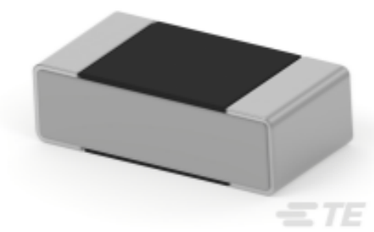
TE Part # 4-1879211-2
CPF 0402 4K53 0.1% 25PPM 5K RL



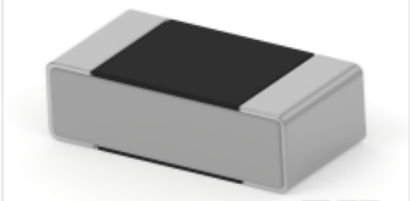
TE Part # 1-1879417-9
CPF 0603 1M0 0.1% 25PPM 1K RL



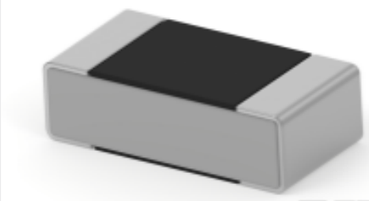
TE Part # 1879211-6
CPF 0402 1K87 0.1% 25PPM 5K RL



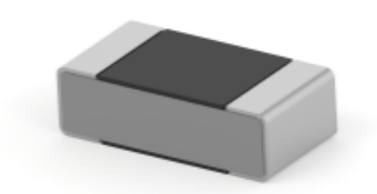
TE Part # 1879211-8
CPF 0402 1K96 0.1% 25PPM 5K RL



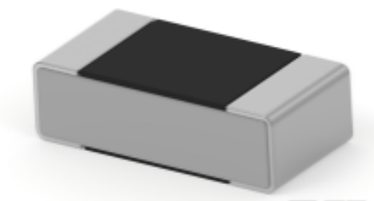
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CPF 0402 1K82 0.1% 25PPM 5K RL



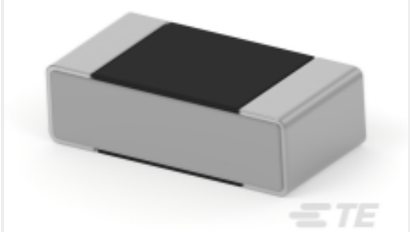
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CPF 0402 4K32 0.1% 25PPM 5K RL



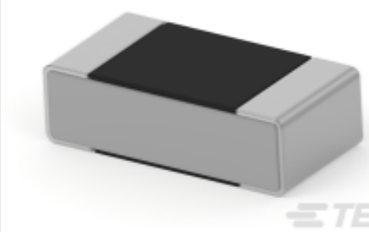
TE Part # 9-1879216-1
CPF 0402 158K 0.1% 25PPM 5K RL



TE Part # 9-1879211-4
CPF 0402 17K8 0.1% 25PPM 5K RL



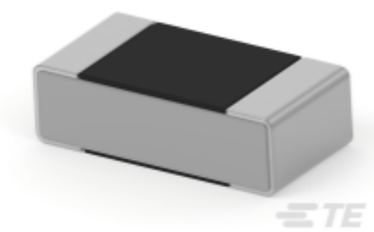
TE Part # 9-1879211-3
CPF 0402 17K4 0.1% 25PPM 5K RL



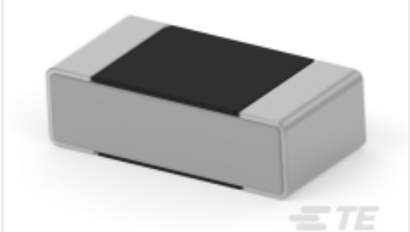
TE Part # 4-1879211-4
CPF 0402 4K75 0.1% 25PPM 5K RL



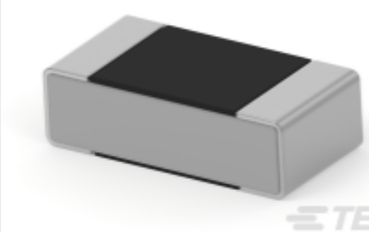
TE Part # 1-1614959-4
CPF0805 2M0 0.1% 25PPM 1K RL



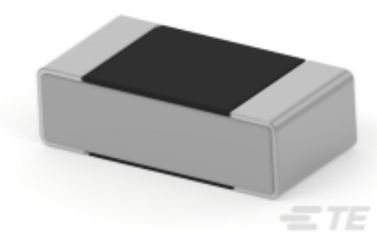
TE Part # 3-1879211-7
CPF 0402 4K02 0.1% 25PPM 5K RL



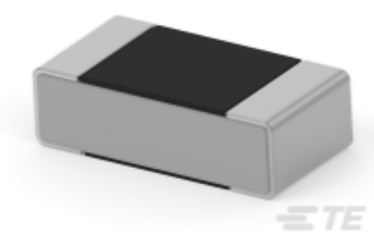
TE Part # 4-1879211-5
CPF 0402 4K87 0.1% 25PPM 5K RL



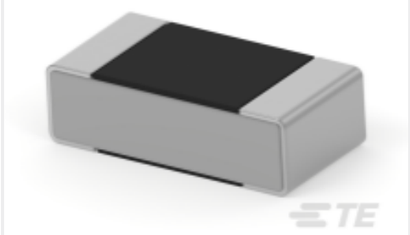
TE Part # 4-1879211-1
CPF 0402 4K42 0.1% 25PPM 5K RL



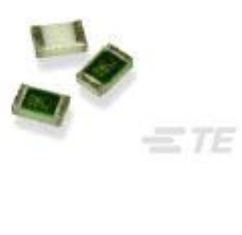
TE Part # 3-1879211-9
CPF 0402 4K22 0.1% 25PPM 5K RL



TE Part # 4-1879211-3
CPF 0402 4K64 0.1% 25PPM 5K RL



TE Part # 1879211-7
CPF 0402 1K91 0.1% 25PPM 5K RL

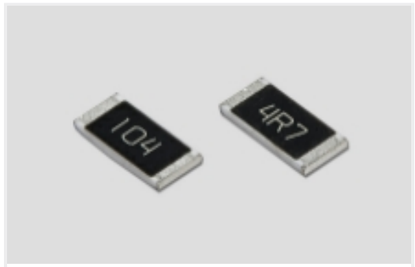


TE Part # 3-1879216-5
CPF0402 200K 0.1% 25PPM 1K RL



TE Part # 1879417-8
CPF0603 1M0 0.1% 25PPM 5K RL

## Also in the Series | Neohm CPF

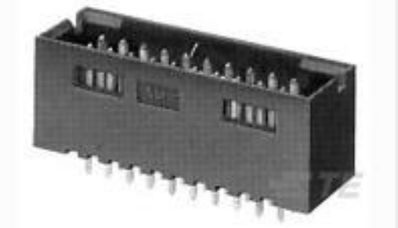



Surface Mount Resistors(5842)

## Customers Also Bought



TE Part #5796055-1
68 CHAMP R/A ASSY,LC



TE Part #103169-1
06 MODII HDR DRST SHRD .100CL



TE Part #7-1879028-0
RN 0805 274K 0.1% 10PPM 1K RL



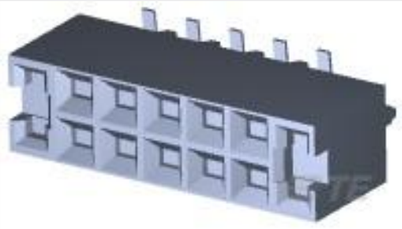
TE Part #5747846-6
25 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #1676252-2
RN 0805 215R 0.1% 10PPM 1KRL



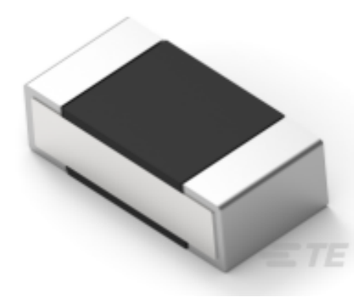

TE Part #4-1879005-6
3520 75K 5%



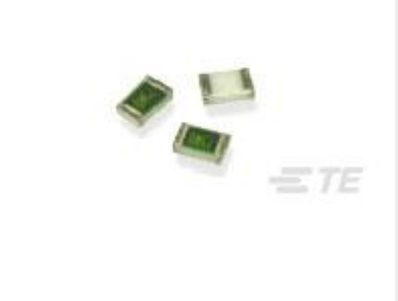
TE Part #5-147102-5
10 MODIV VRT DR 100/SFMNT 30AU



TE Part #2102737-1
BP, Right End, MULTIGIG RT 2R



TE Part #6-2176306-5
RP 1E 0.1W 5K36 0.1% 25PPM 5K RL



TE Part #1676696-2
RN 0805 42R2 0.1% 10PPM 1K RL

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_6-1879211-6_BA.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_6-1879211-6_BA.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_6-1879211-6_BA.3d_stp.zip

English

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## Datasheets & Catalog Pages

CPF-1016

English