



Neohm | Neohm CPF

TE Internal #: 4-2176215-5

68K 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: **68K Ω**

Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0402**

Power Rating: **.063 W**

### Features

#### Industry Standards

Moisture Sensitivity Level	1
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#### Electrical Characteristics

Resistance Value	68K Ω
Power Rating	.063 W
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	.1 %

#### Product Type Features

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

#### Configuration Features

Number of Resistors	1
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#### 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]
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### Usage Conditions

Temperature Coefficient	±25 ppm/°C
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### Packaging Features

Packaging Method	Taped & Reeled
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### Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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#### 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 # 3-2176217-3  
CPF A 0805 1K0 0.1% 25PPM 1K RL



TE Part # 1-2176215-0  
CPF A 0402 1K5 0.1% 25PPM 1K RL



TE Part # 4-2176215-4  
CPF A 0402 66K5 0.1% 25PPM 1K RL



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



TE Part # 5-2176217-1  
CPF A 0805 15K 0.1% 25PPM 1K RL



TE Part # 3-2176215-3  
CPF A 0402 22K1 0.1% 25PPM 1K RL



TE Part # 3-2176216-4  
CPF A 0603 2K4 0.1% 25PPM 1K RL



TE Part # 5-2176216-6  
CPF A 0603 56K 0.1% 25PPM 1K RL



TE Part # 5-2176216-3  
CPF A 0603 39K 0.1% 25PPM 1K RL



TE Part # 5-2176217-7  
CPF A 0805 27K 0.1% 25PPM 1K RL



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



TE Part # 2-2176217-9  
CPF A 0805 470R 0.1% 25PPM 1K RL



TE Part # 2176215-3  
CPF A 0402 249R 0.1% 25PPM 1K RL



TE Part # 4-2176217-5  
CPF A 0805 5K6 0.1% 25PPM 1K RL



TE Part # 1-2176215-5  
CPF A 0402 2K2 0.1% 25PPM 1K RL



TE Part # 1-2176217-4  
CPF A 0805 47R 0.1% 25PPM 1K RL



TE Part # 1-2176215-3  
CPF A 0402 200R 0.1% 25PPM 1K RL



TE Part # 2-2176215-1  
CPF A 0402 4K7 0.1% 25PPM 1K RL

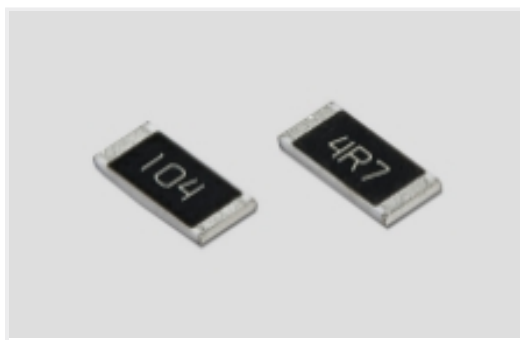


TE Part # 2-2176215-9  
CPF A 0402 15K 0.1% 25PPM 1K RL



TE Part # 2-2176217-3  
CPF A 0805 220R 0.1% 25PPM 1K RL

Also in the Series | **Neohm CPF**



Surface Mount Resistors(5842)

### Customers Also Bought



TE Part #2-1614959-8  
CPF0805 1M43 0.1% 25PPM 1K RL



TE Part #1-1879208-8  
CPF 0402 51R 0.1% 25PPM 1K RL



TE Part #7-1676480-0  
CRG0402 1% 510K



TE Part #8-2176364-5  
RQ 0402 34K8 0.1% 10PPM 5K RL



TE Part #2176310-1  
RP 1E 0.1W 107R 0.1% 25PPM 1K RL



TE Part #5747877-3  
FEMALE SCREWLOCK ZINC CLEAR



TE Part #5-2176330-8  
CRGP 2010 560K 1%



TE Part #1-2176311-6  
RP 1E 0.1W 1K65 0.1% 25PPM 1K RL



TE Part #2081679-1  
SMA JACK RECEPTACLE,PCB,RIGHT ANGLE,6GHZ



TE Part #7-1879213-6  
CPF 0402 178R 0.1% 25PPM 1K RL

### Documents

#### Product Drawings

[CPF A 0402 68K 0.1% 25PPM 1K RL](#)

English

#### Datasheets & Catalog Pages

[Automotive Grade Thin Film Chip Resistor - Type CPF-A Series](#)

English