

Neohm | Neohm CPF

TE Internal #: 3-2176238-1

Precision Resistor, Thin Film, 0805, .1 W, 680  $\Omega$ , .1 %,  $\pm 25$  ppm/ $^{\circ}$ C,  
Solder, 2 Termination, Height .022 in [.55 mm], Length .079 in [2  
mm], Neohm CPF

[View on TE.com >](#)

Passive Components &gt; Resistors &gt; Surface Mount Resistors

Resistor Type: **Precision Resistor**Element Type: **Thin Film**Package Size Code: **0805**Power Rating: **.1 W**Resistance Value: **680  $\Omega$** 

## Features

### Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0805

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	100 V
Power Rating	.1 W
Resistance Value	680 $\Omega$
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	.1 %

### Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

## Dimensions

Product Height	.55 mm [.022 in]
Product Length	2 mm [.079 in]
Product Width	1.25 mm [.049 in]

## Usage Conditions

Operating Temperature Range	-55 - 155 °C
Temperature Coefficient	±25 ppm/°C

## Packaging Features

Packaging Method	Taped & Reeled
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## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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

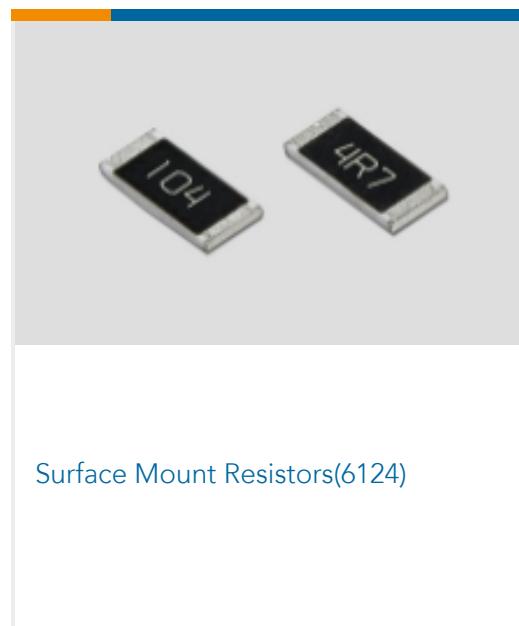
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 6-2176238-7  
 CPF A 0805 100K 0.1% 25PPM 5K RL

## Also in the Series | Neohm CPF



Surface Mount Resistors(6124)

## Customers Also Bought



TE Part # 640251-7  
 07P SL156 HSG W/O LCK RAMP



TE Part # 2176071-2  
 3521 150K 1% 2W



TE Part # 6-1614884-7  
 CPF 0805 1K6 0.1% 25PPM 1K RL



TE Part # 2358691-1  
 RESOLVER V23401-T1071-B101



TE Part # 7-2176397-3  
 3502 1K0 1%



TE Part # 6-2176397-0  
 3502 300R 1%



TE Part # 1-1318772-3  
 025 12POS CAP ASSY H SELECTIVE-TIN



TE Part # 42100-1  
 FF 250 REC 18-14AWG BR

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176238-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-2176238-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-2176238-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

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

English