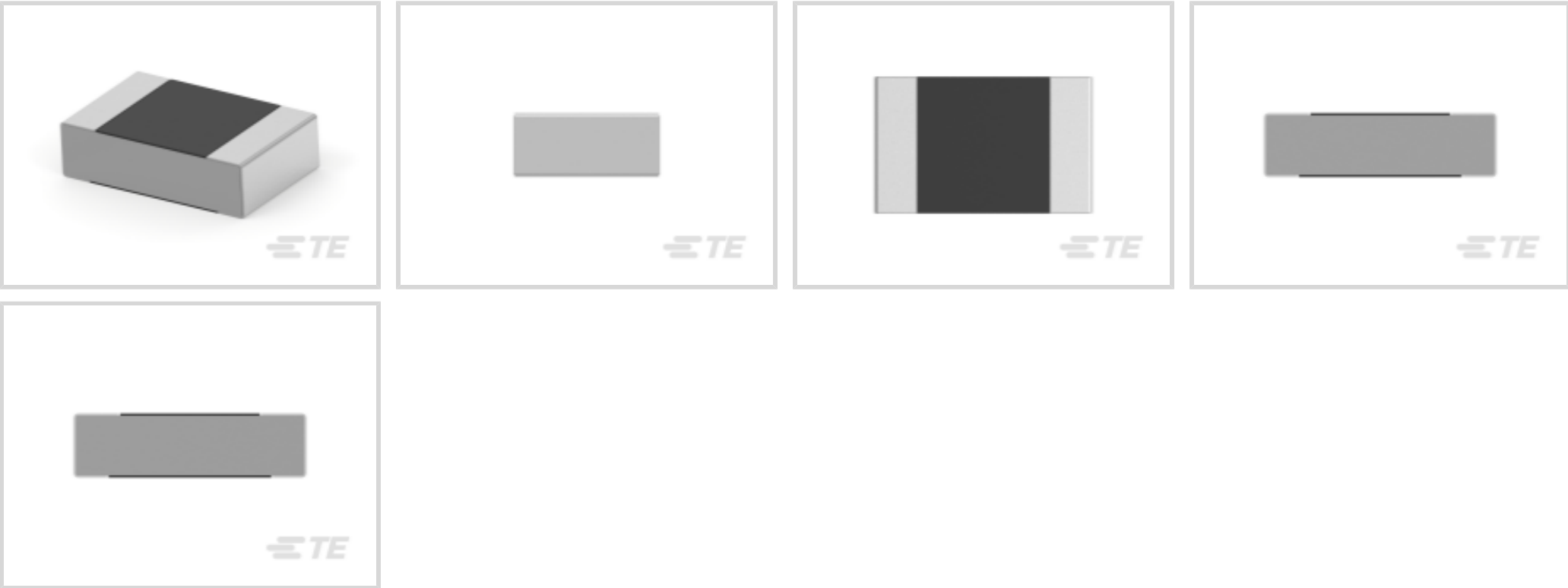




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0805**

Power Rating: **.1 W**

Resistance Value: **100K Ω**

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	100K Ω
Resistance Class	1k Ω - 1M Ω
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 $^{\circ}\text{C}$
Temperature Coefficient	± 25 ppm/ $^{\circ}\text{C}$

Packaging Features

Packaging Method	Taped & Reeled
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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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260 $^{\circ}\text{C}$

Product Compliance Disclaimer

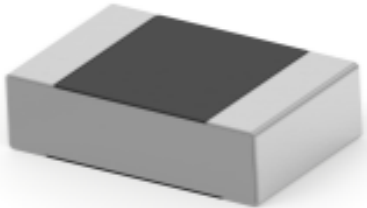
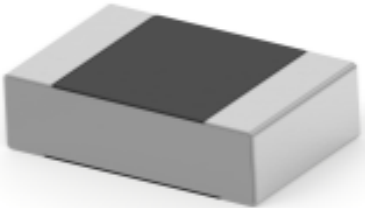
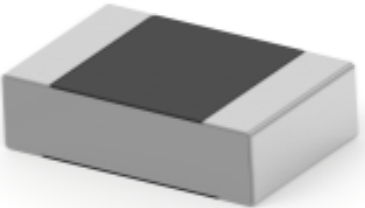
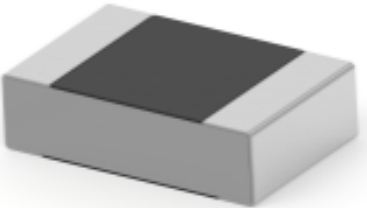
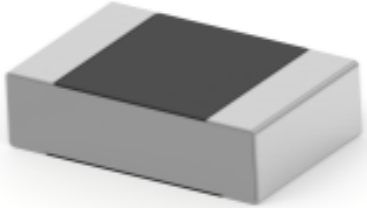
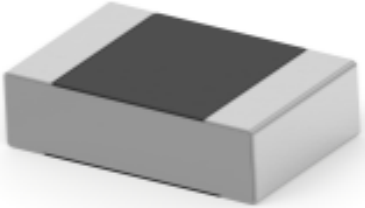
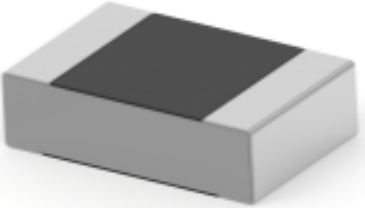
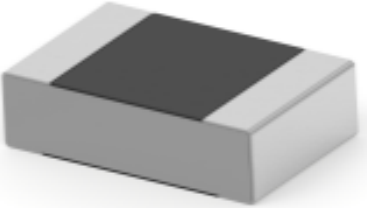
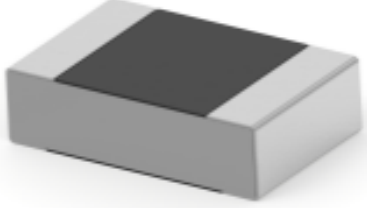
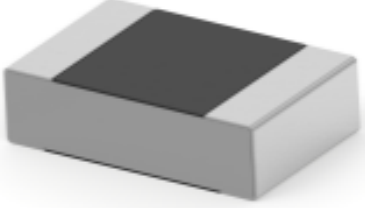
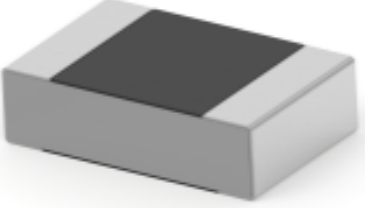
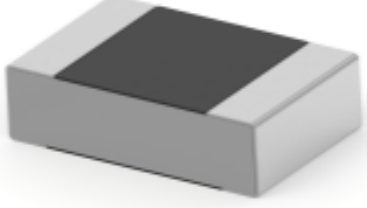
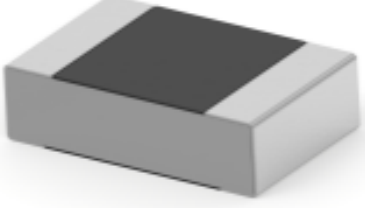
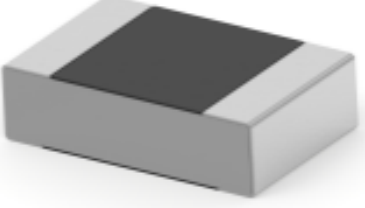
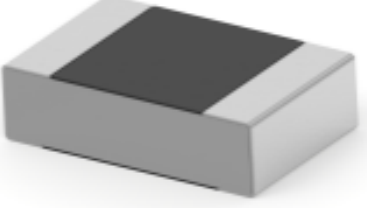
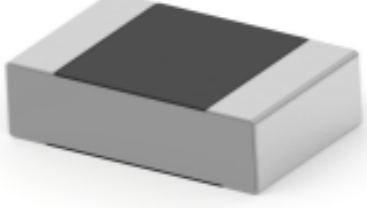
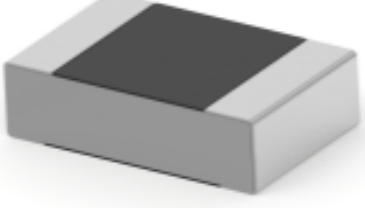
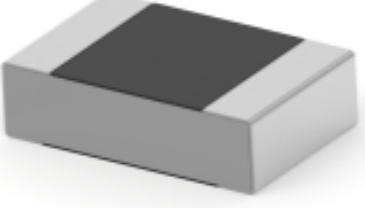
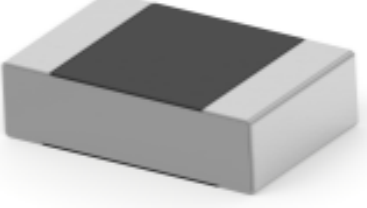
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

CPF-A-0805B100KE

Precision Resistor, Thin Film, 0805, .1 W, 100K Ω , .1 %, ± 25 ppm/ $^{\circ}\text{C}$, Solder, 2 Termination, Height .022 in [.55 mm], Length .079 in [2 mm], Neohm CPF

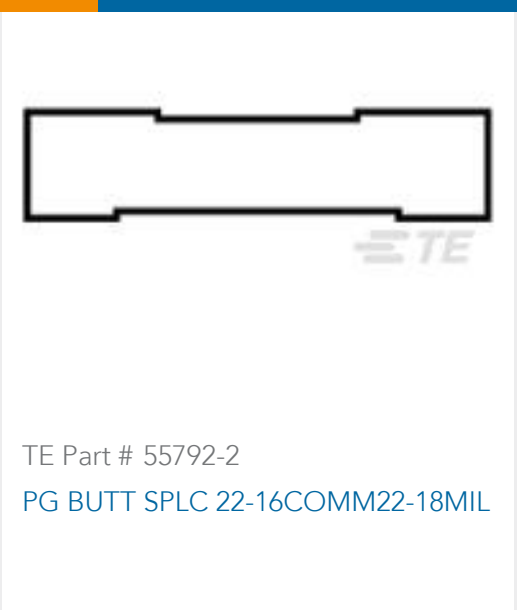
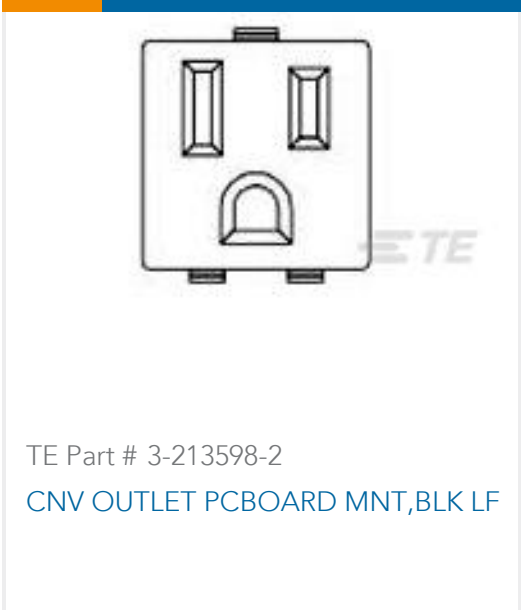
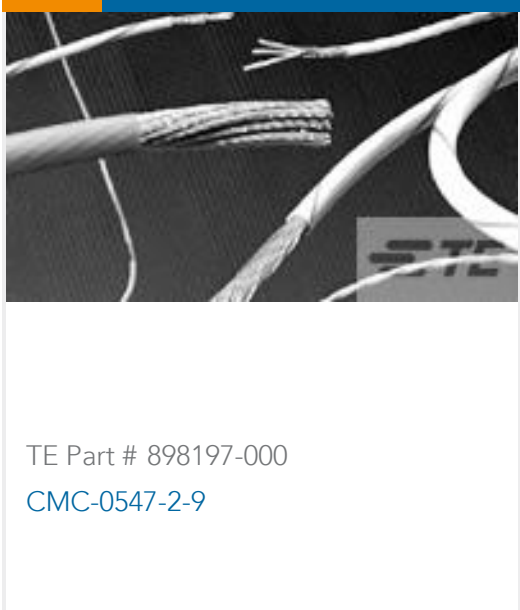


 TE Part # 5-2176238-8 CPF A 0805 30K 0.1% 25PPM 5K RL	 TE Part # 1-2176238-9 CPF A 0805 100R 0.1% 25PPM 5K RL	 TE Part # 4-2176238-9 CPF A 0805 10K 0.1% 25PPM 5K RL	 TE Part # 2176238-1 CPF A 0805 10R 0.1% 25PPM 5K RL
 TE Part # 5-2176238-0 CPF A 0805 12K 0.1% 25PPM 5K RL	 TE Part # 2176238-3 CPF A 0805 13R3 0.1% 25PPM 5K RL	 TE Part # 2-2176238-1 CPF A 0805 150R 0.1% 25PPM 5K RL	 TE Part # 5-2176238-1 CPF A 0805 15K 0.1% 25PPM 5K RL
 TE Part # 5-2176238-2 CPF A 0805 16K5 0.1% 25PPM 5K RL	 TE Part # 2-2176238-2 CPF A 0805 180R 0.1% 25PPM 5K RL	 TE Part # 5-2176238-3 CPF A 0805 18K 0.1% 25PPM 5K RL	 TE Part # 3-2176238-6 CPF A 0805 1K8 0.1% 25PPM 5K RL
 TE Part # 6-2176238-8 CPF A 0805 200K 0.1% 25PPM 5K RL	 TE Part # 2-2176238-3 CPF A 0805 220R 0.1% 25PPM 5K RL	 TE Part # 5-2176238-5 CPF A 0805 22K 0.1% 25PPM 5K RL	 TE Part # 2176238-8 CPF A 0805 26R7 0.1% 25PPM 5K RL
 TE Part # 2-2176238-5 CPF A 0805 270R 0.1% 25PPM 5K RL	 TE Part # 3-2176238-7 CPF A 0805 2K0 0.1% 25PPM 5K RL	 TE Part # 3-2176238-9 CPF A 0805 2K4 0.1% 25PPM 5K RL	 TE Part # 2-2176238-6 CPF A 0805 300R 0.1% 25PPM 5K RL

Also in the Series | [Neohm CPF](#)



Customers Also Bought



Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_6-2176238-7_A.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_6-2176238-7_A.3d_igs.zip

CPF-A-0805B100KE

Precision Resistor, Thin Film, 0805, .1 W, 100K Ω , .1 %, ± 25 ppm/ $^{\circ}$ C, Solder, 2 Termination, Height .022 in [.55 mm], Length .079 in [2 mm], Neohm CPF



English

Customer View Model

[ENG_CVM_CVM_6-2176238-7_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English