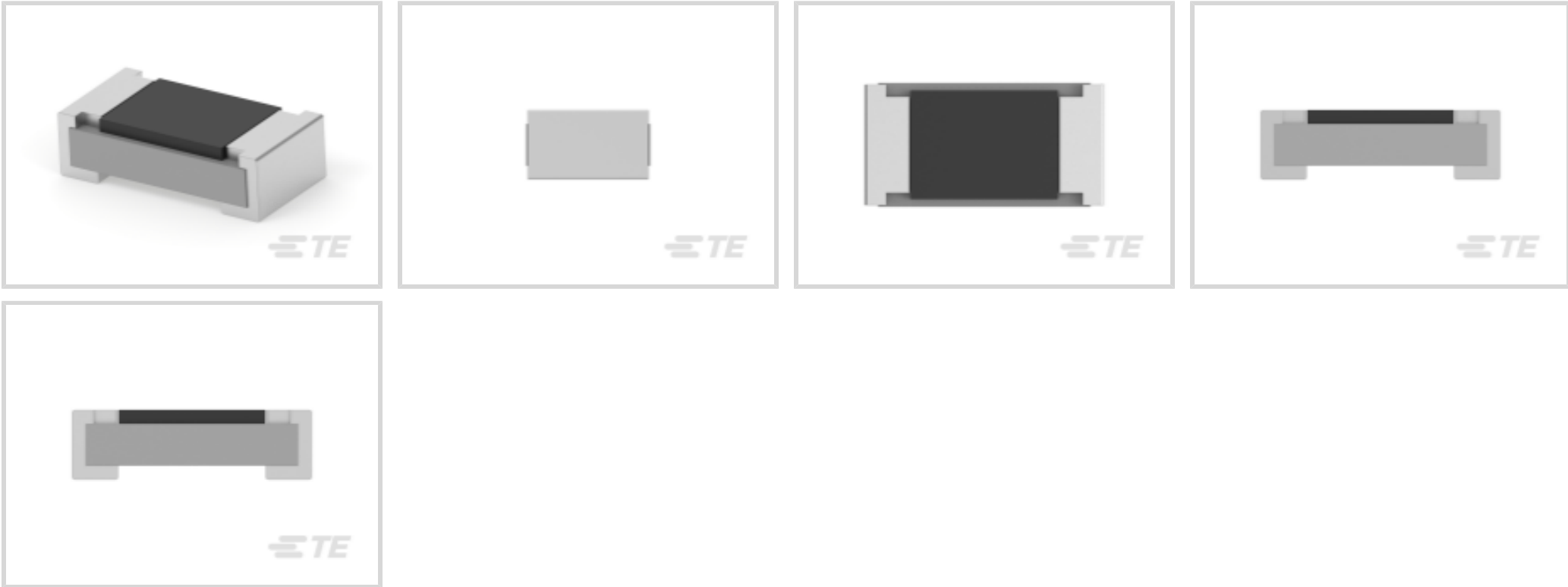




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Number of Terminations: **2**
Package Size Code: **0603**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **.1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Package Size Code	0603
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	50 V
Passive Component Tolerance	.1 %
Resistance Class	Up to 1kΩ
Resistance Value	680 Ω
Power Rating	.0625 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type	Solder
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Dimensions

Passive Component Dimensions	1.55 x .8 x .45 mm
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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>

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: JUNE 2023 (235) 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

CPF-A-0603B680RE

680 Ω , Thin Film, Precision Resistor, .1 %, 2 Termination, 0603, Taped & Reeled, .0625 W, ± 25 ppm/ $^{\circ}$ C, Solder, 1.55 x .8 x .45 mm, Neohm CPF



 TE Part # 2176216-4 CPF A 0603 20R 0.1% 25PPM 1K RL	 TE Part # 2176217-4 CPF A 0805 15R 0.1% 25PPM 1K RL	 TE Part # 3-2176217-3 CPF A 0805 1K0 0.1% 25PPM 1K RL	 TE Part # 2176217-7 CPF A 0805 22R 0.1% 25PPM 1K RL
 TE Part # 4-2176215-8 CPF A 0402 100K 0.1% 25PPM 1K RL	 TE Part # 2176215-2 CPF A 0402 100R 0.1% 25PPM 1K RL	 TE Part # 2-2176215-6 CPF A 0402 10K 0.1% 25PPM 1K RL	 TE Part # 2-2176215-7 CPF A 0402 11K8 0.1% 25PPM 1K RL
 TE Part # 2-2176215-8 CPF A 0402 12K 0.1% 25PPM 1K RL	 TE Part # 2-2176215-9 CPF A 0402 15K 0.1% 25PPM 1K RL	 TE Part # 2176215-7 CPF A 0402 1K0 0.1% 25PPM 1K RL	 TE Part # 2176215-9 CPF A 0402 1K43 0.1% 25PPM 1K RL
 TE Part # 1-2176215-0 CPF A 0402 1K5 0.1% 25PPM 1K RL	 TE Part # 1-2176215-3 CPF A 0402 200R 0.1% 25PPM 1K RL	 TE Part # 3-2176215-1 CPF A 0402 20K 0.1% 25PPM 1K RL	 TE Part # 3-2176215-2 CPF A 0402 22K 0.1% 25PPM 1K RL
 TE Part # 2176215-3 CPF A 0402 249R 0.1% 25PPM 1K RL	 TE Part # 3-2176215-4 CPF A 0402 24K9 0.1% 25PPM 1K RL	 TE Part # 1-2176215-4 CPF A 0402 2K1 0.1% 25PPM 1K RL	 TE Part # 1-2176215-5 CPF A 0402 2K2 0.1% 25PPM 1K RL

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



Surface Mount Resistors(6124)

Customers Also Bought



TE Part #281839-8
HE13/HE14 Crimp Housings



TE Part #5787082-5
50 50SR R/A RCPT ASSY,RDSN L/F



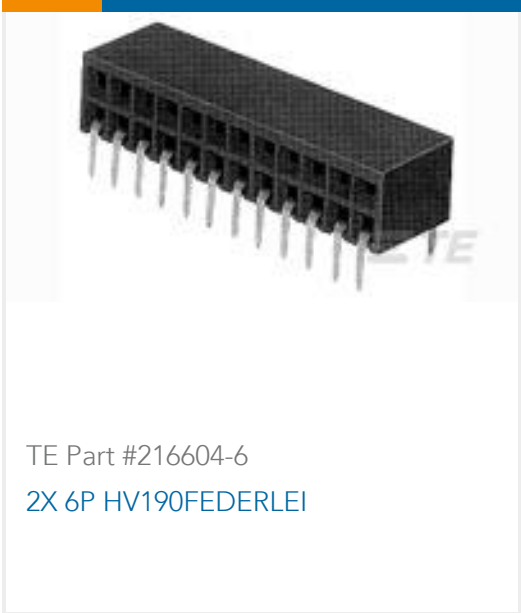
TE Part #1-2176070-1
3521 27R 1% 2W



TE Part #1-1437565-9
FSM1LPTR=NEW P/N



TE Part #350829-1
12P UMNL HDR ASSY PC 94VO



TE Part #216604-6
2X 6P HV190FEDERLEI



TE Part #770829-1
04P CMNL HDR R/A BLK HT T/L



TE Part #2176325-2
CRGP 0402 12R 1%



TE Part #926896-3
UNIV.M-N-L.PIN

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2176237-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2176237-5_A.3d_igs.zip

CPF-A-0603B680RE

680 Ω , Thin Film, Precision Resistor, .1 %, 2 Termination, 0603, Taped & Reeled, .0625 W, ± 25 ppm/ $^{\circ}$ C, Solder, 1.55 x .8 x .45 mm, Neohm CPF



English

Customer View Model

[ENG_CVM_CVM_2-2176237-5_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