



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0805**

Power Rating: **.1 W**

Resistance Value: **390 Ω**

Features

Industry Standards

Moisture Sensitivity Level	1
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Usage Conditions

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

Electrical Characteristics

Operating Voltage	100 V
Power Rating	.1 W
Resistance Value	390 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	.1 %

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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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]

Packaging Features

Packaging Method	Taped & Reeled
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) 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

CPF-A-0805B390RE

Surface Mount Precision Resistor, Thin Film, 0805, .1 W, 390 ohm, .1 %, ±25 ppm/°C, Solder, 2 Terminations, Height .55 mm [.022 in], Neohm CPF



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 # 2-2176238-9  
[CPF A 0805 470R 0.1% 25PPM 5K RL](#)

TE Part # 1-2176238-5  
[CPF A 0805 51R 0.1% 25PPM 5K RL](#)

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

[Surface Mount Resistors\(5842\)](#)

Customers Also Bought

TE Part #9-1625971-5  
[HSA25 R01 10%](#)

TE Part #2337238-3  
[TACT MINI GW 5.2X5.2X2 160GF](#)

TE Part #3-2176307-2  
[RP 1E 0.1W 26K1 0.1% 25PPM 5K RL](#)

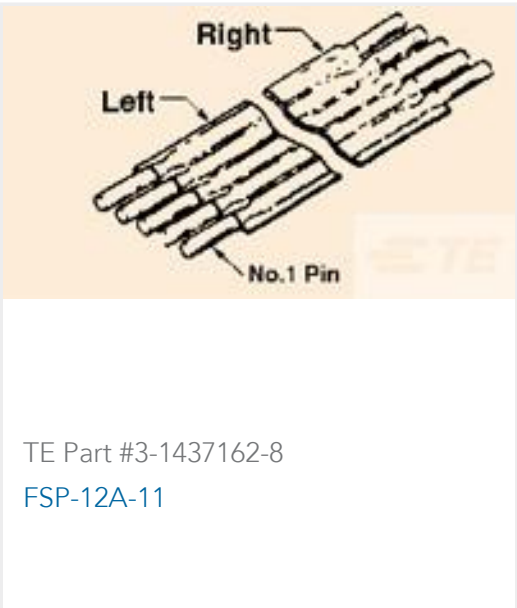
TE Part #7-2176305-3  
[RP 1E 0.1W 604R 0.1% 25PPM 5K RL](#)

TE Part #1-1879353-9  
[RR02 5% 24K AMMO](#)

TE Part #7-1879354-5  
[RR03 5% 390R AMMO](#)

TE Part #7-1879648-1  
[H4P 287R 0.5% 100PPM](#)

TE Part #1-830611-0  
[LGH 1/2 SNGL MLD END](#)



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2176238-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176238-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176238-8\_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