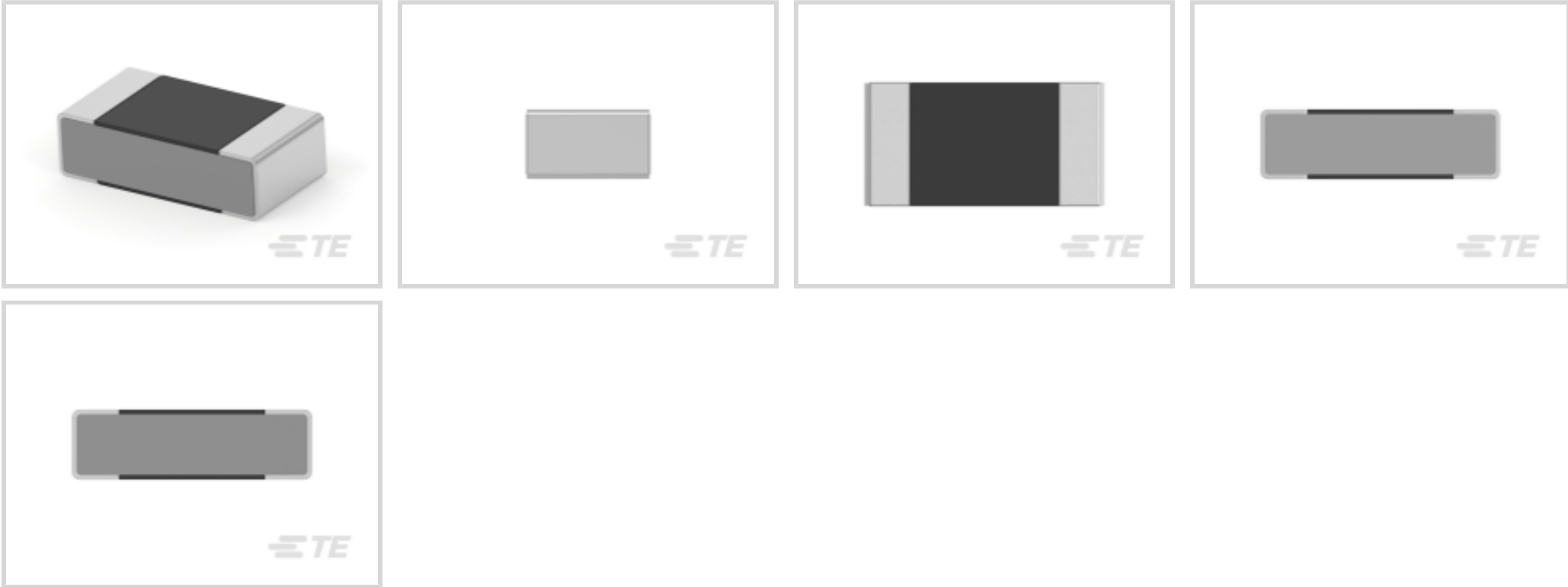




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Resistance Value: **511K Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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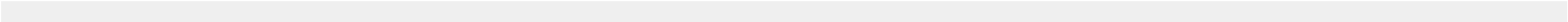
Electrical Characteristics

Power Rating	.063 W
Resistance Value	511K 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	.45 mm[.018 in]
Product Length	1.55 mm[.061 in]
Product Width	.8 mm[.031 in]

Usage Conditions

Temperature Coefficient	± 25 ppm/ $^{\circ}\text{C}$
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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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



TE Part # 6-1879417-0

[CPF0603 499K 0.1% 25PPM 1K RL](#)

TE Part # 6-1879417-2

[CPF0603 523K 0.1% 25PPM 1K RL](#)

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

[Surface Mount Resistors\(6124\)](#)

Customers Also Bought

TE Part # 7-2176401-5

[3540 2R2 5%](#)

TE Part # 8-2176407-2

[3560 8R2 5%](#)

TE Part # 4-1879223-6

[CPF 0603 698R 0.1% 25PPM 1K RL](#)

TE Part # 2370817-1

[SDE F D 1000 SERIES 22-28 ASSY](#)

TE Part # 2381452-1

[SDE F DYNAMIC 2000 24-28 AWG ASSY](#)

TE Part # 3-2176523-1

[3503G 2B 105R 1% 1K RL](#)

TE Part # 2-1614958-4

[CPF 0805 1R69 0.1% 25ppm 1K RL](#)

TE Part # 8-2176367-7

[RQ 0603 36K5 0.1% 10PPM 1K RL](#)

Documents

Product Drawings

[CPF0603 511K 0.1% 25PPM 1K RL](#)

English

Datasheets & Catalog Pages

[CPF-1016](#)

English

CPF0603B511KE1

Precision Resistor, Thin Film, 0603, .063 W, 511K Ω , .1 %, ± 25 ppm/ $^{\circ}$ C, Solder, 2 Termination, Height .018 in [.45 mm], Neohm CPF

