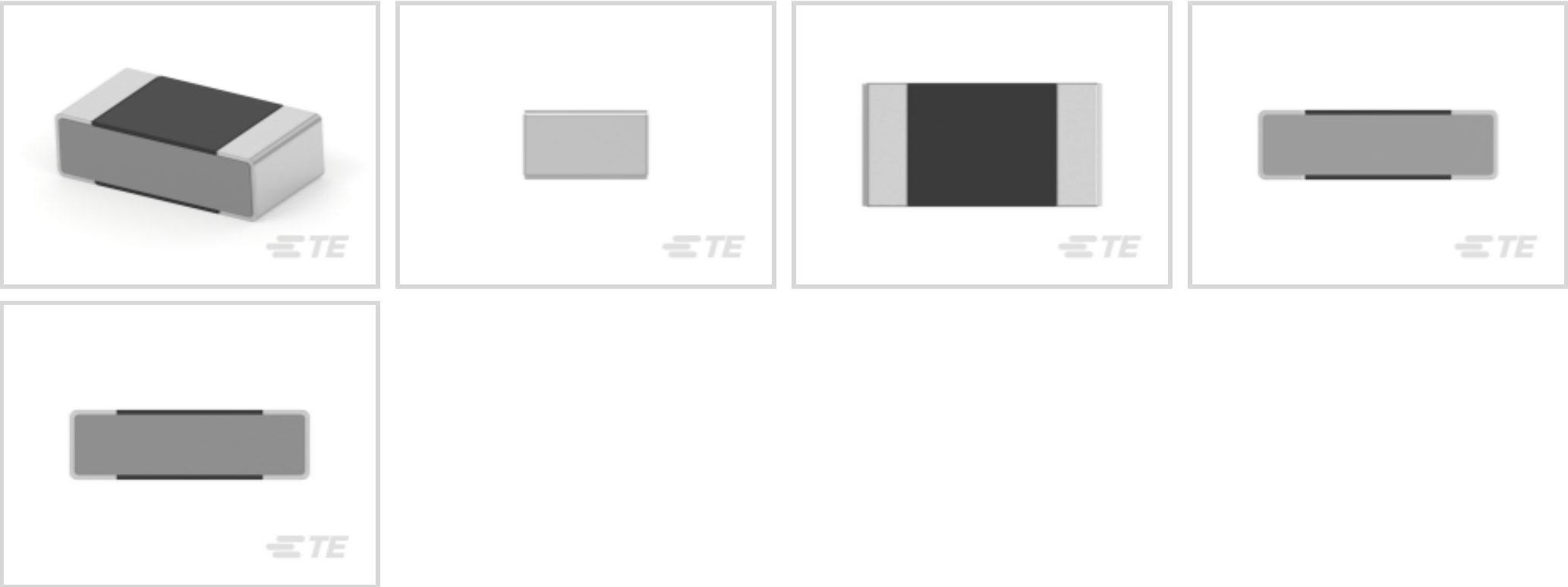




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Resistance Value: **523K Ω**

Features

Industry Standards

Moisture Sensitivity Level	1
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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	523K Ω
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	.1 %

Termination Features

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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/°C
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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 2024 (241) 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 # 4-1879417-4
[CPF 0603 13K2 0.1% 25PPM 1K 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](#)

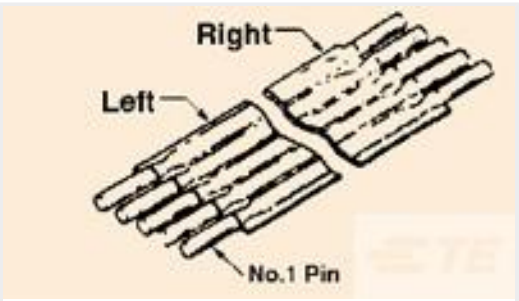
TE Part #7-1879354-5
[RR03 5% 390R AMMO](#)

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

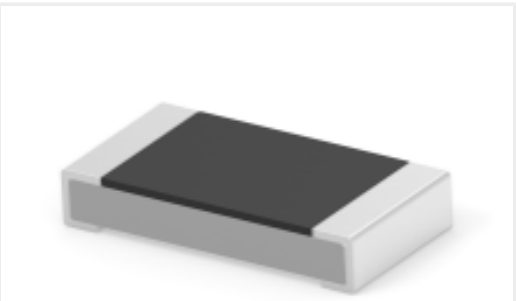
TE Part #1-830611-0
[LGH 1/2 SNGL MLD END](#)

CPF0603B523KE

Surface Mount Precision Resistor, Thin Film, 0603, .063 W, 523K ohm, .1 %, ±25 ppm/°C, Solder, 2 Terminations, Height .45 mm [.018 in], Neohm CPF



TE Part #3-1437162-8
[FSP-12A-11](#)



TE Part #2-2176392-9
[RQ 1206 261K 0.1% 10PPM 5K RL](#)

Documents

Product Drawings

[CPF0603 523K 0.1% 25PPM 5K RL](#)

English

Datasheets & Catalog Pages

[CPF-1016](#)

English