

CPF0603F100KC1

✓ ACTIVE

Neohm | Neohm CPF

TE Internal #: 5-1879338-6

100K ohm, Surface Mount Precision Resistor, Thin Film, 0603, .063

W, 1 %, ±50 ppm/°C, Solder, 2 Terminations, .45 mm [.018 in]

Height, Neohm CPF

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 100K Ω

Resistor Type: Precision Resistor

Element Type: Thin Film

Package Size Code: 0603

Power Rating: .063 W

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

Operating Voltage	50 V
Resistance Value	100K Ω
Power Rating	.063 W
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	±50 ppm/°C
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Industry Standards

Moisture Sensitivity Level	1
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

CPF0603F100KC1

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TE Part # 2-1879339-4
CPF 0603 100K 1% 50PPM 5K RL

TE Part # 1-1614959-4
CPF0805 2M0 0.1% 25PPM 1K RL

TE Part # 9-1879216-1
CPF 0402 158K 0.1% 25PPM 5K RL

TE Part # 1-1879417-9
CPF 0603 1M0 0.1% 25PPM 1K RL

TE Part # 1879417-8
CPF0603 1M0 0.1% 25PPM 5K RL

TE Part # 3-1879216-5
CPF0402 200K 0.1% 25PPM 1K RL

Also in the Series | Neohm CPF

Surface Mount Resistors(5842)

Customers Also Bought

TE Part #1-1879417-7
CPF 0603 820K 0.1% 25PPM 1K RL

TE Part #5-146278-6
06 MODII HDR SRST B/A .100CL

TE Part #1-1676481-7
CPF 0603 24R 0.1% 25PPM 1K RL

TE Part #36189
BUDG R 22-16 COMM 22-18 MIL 4

TE Part #NB-PTCO-169
Pt1000, 2.0x5.0, Class C, PTFD102C1A0

TE Part #6-1879334-8
CPF 0603 10R 1% 50PPM 1K RL

TE Part #6609056-1
3MV1=F7756 S0

TE Part #5-146278-1
01 MODII HDR SRST B/A .100CL

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Documents

Product Drawings

[CPF 0603 100K 1% 50PPM 1K RL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-1879338-6_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1879338-6_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1879338-6_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English

[CPF-1016](#)

English