CPF0603B102KE1 ✔ ACTIVE

Neohm | Neohm CPF

TE Internal #: 3-1879225-9

Precision Resistor, Thin Film, 0603, .063 W, 102K ohm, .1 %, ±25 ppm/°C, Solder, 2 Termination, Height .45 mm [.018 in], Neohm CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Resistance Value: **102K Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	50 V
Power Rating	.063 W
Resistance Value	102K Ω
Resistance Class	1kΩ – 1MΩ
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/°C

Industry Standards

Moisture Sensitivity Level	1

Packaging Features

Packaging Method	Taped & Reeled

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



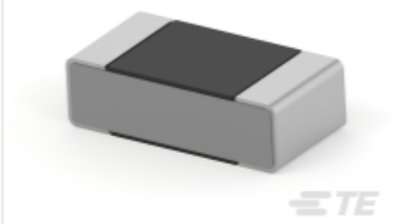
TE Part # 1-1879417-9
CPF 0603 1M0 0.1% 25PPM 1K RL



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



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



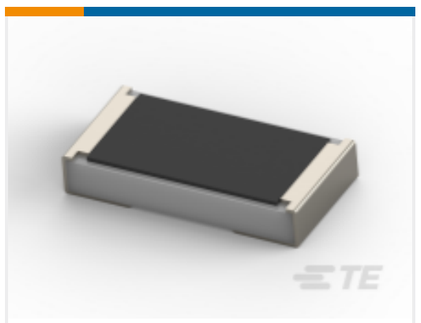
TE Part # 9-1879216-1
CPF 0402 158K 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF



Surface Mount Resistors(5842)

Customers Also Bought



TE Part #4-2176231-9
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #6-1879215-6
CPF 0402 22K1 0.1% 25PPM 1K RL



TE Part #9-1676481-9
CPF 0603 120K 0.1% 25PPM 1K RL



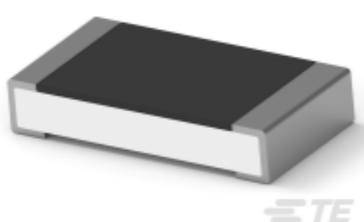
TE Part #2-2176091-3
RP 2A 0.25W 97R6 0.1% 25PPM 1K RL



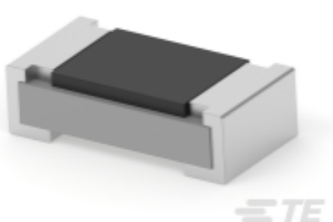
TE Part #7-2176230-5
3522 1M2 5% 3W



TE Part #L9000282-01
SMB Jack .062 PCB Edge Mount



TE Part #4-2176391-6
RQ 1206 36K5 0.1% 10PPM 5K RL



TE Part #2176237-1
CPF A 0603 10R 0.1% 25PPM 5K RL

Documents

Product Drawings

CPF 0603 102K 0.1% 25PPM 1K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1879225-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1879225-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1879225-9_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English

CPF-1016

English

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TE Connectivity:

TE50BR39J 1-962915-1 2834055-1 CRGCQ2010J3K3 CPF0402B37K4E1 141991-2 2310537-1
U5254-000005-030PA 1743455-2 175977-2 1903112-2 2-292161-3 2377783-2 1969656-1 2380312-2
MPT100C18RF 2005330-1 3-1393225-0 650075-000 RH73H2A40MKTN SBCHE154R7K SBCHE64R7K
SMW73R0JT 1-794222-0 917696-1 ROX05SJ18R 1393431-1 3430B2F51RTDF 3631B101LL 936348-1