CPF-A-0805B100RE1 ✔ ACTIVE

Neohm | Neohm CPF

TE Internal #: 1-2176217-9

Precision Resistor, Thin Film, 0805, .1 W, 100 ohm, .1 %, ±25 ppm/°C, Solder, 2 Termination, Height .55 mm [.022 in], Length 2 mm [.079 in], Neohm CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0805**

Power Rating: **.1 W**

Resistance Value: **100 Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0805

Configuration Features

Number of Resistors	1

Electrical Characteristics

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

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]

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 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 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 # 4-2176215-5
CPF A 0402 68K 0.1% 25PPM 1K RL



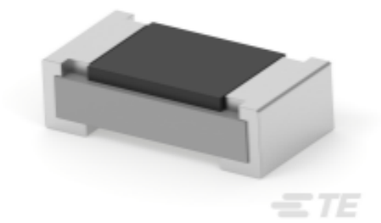
TE Part # 6-2176216-5
CPF A 0603 200K 0.1% 25PPM 1K RL



TE Part # 4-2176217-9
CPF A 0805 10K 0.1% 25PPM 1K RL



TE Part # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL



TE Part # 2-2176237-5
CPF A 0603 680R 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF



Surface Mount Resistors(5842)

Customers Also Bought



TE Part #280050-7
250 FASTON,FLAG,REC.,16-20 AWG, TPPB



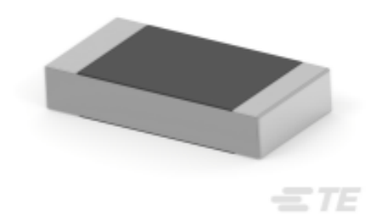
TE Part #1623819-2
SBL4 R005 5%



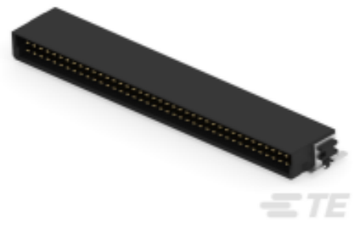
TE Part #1-2314878-0
10P,2MM,B-B,REC,SRVT,2.7,0.76AU,TB



TE Part #3-967325-3
2,5MM BU-GEH 2P,GN



TE Part #6-1614883-4
CPF 0805 1K3 0.1% 25PPM 5K RL



TE Part #154767-E
SMCB 80 M AB VV 7-03 CL * 0007 137 E004



TE Part #K1009612
Micro Switch MZX1 301 304 981



TE Part #9541-040C-S-C-3-T
PRESSURE I2C 0.6 PSIG SO16

TE Part #9541-010C-S-C-3-T
PRESSURE 0.15 PSIG I2C SO16

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176217-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176217-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176217-9_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

Automotive Grade Thin Film Chip Resistor - Type CPF-A Series

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

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