CPF-A-0805B51RE1 ✔ ACTIVE

NEOHM | NEOHM CPF

TE Internal #: 1-2176217-5

51 ohm, Thin Film, Precision Resistor, .1 %, 0805, .1 W, ±25 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, 2 mm [.079 in] Length, 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: **51 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	51 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL



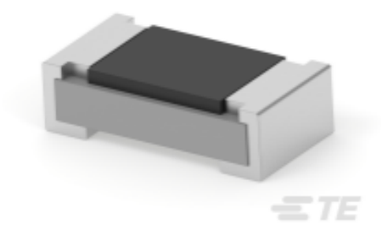
TE Part # 4-2176215-5
CPF A 0402 68K 0.1% 25PPM 1K RL



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

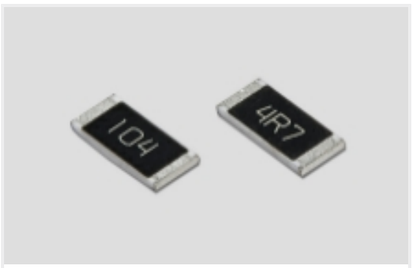


TE Part # 4-2176217-9
CPF A 0805 10K 0.1% 25PPM 1K RL



TE Part # 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 #1-1614884-9
CPF 0805 12R 0.1% 25PPM 1K RL



TE Part #3-1614884-9
CPF 0805 82R 0.1% 25PPM 1K RL



TE Part #4-1614884-8
CPF 0805 220R 0.1% 25PPM 1K RL



TE Part #7-1614892-8
CPF 0805 6K04 0.1% 25PPM 1K RL



TE Part #1676200-2
RN 0805 162R 0.1% 10PPM 1KRL



TE Part #1676387-2
RN 0805 5K36 0.1% 10PPM 1KRL



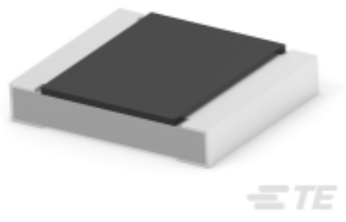
TE Part #2-1676481-6
CPF 0603 56R 0.1% 25PPM 1K RL



TE Part #2-1676481-7
CPF 0603 62R 0.1% 25PPM 1K RL



TE Part #1-1932156-8
CT DBL ROW ASSY V 18P W/BOS HIGH TEMP



TE Part #2176591-1
RLC73PV 2E R01 1% 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176217-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176217-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176217-5_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

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

English