CPF-A-0402B51KE1 ✔ ACTIVE

NEOHM | NEOHM CPF

TE Internal #: 4-2176215-1

51K ohm, Thin Film, Precision Resistor, .1 %, 0402, .063 W, ±25 ppm /°C, Solder, 2 Terminations, .3 mm [.012 in] Height, NEOHM CPF

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0402**

Power Rating: **.063 W**

Resistance Value: **51K Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0402

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	.063 W
Resistance Value	51K Ω
Resistance Class	1kΩ – 1MΩ
Passive Component Tolerance	.1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.3 mm[.012 in]
Product Length	1 mm[.039 in]
Product Width	.5 mm[.02 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

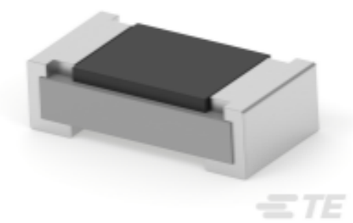
Compatible Parts



TE Part # 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

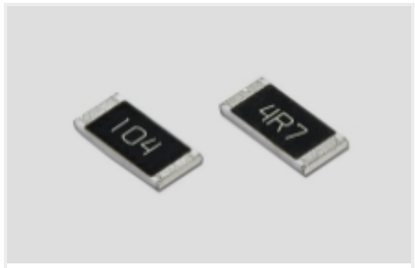


TE Part # 4-2176215-5
CPF A 0402 68K 0.1% 25PPM 1K RL



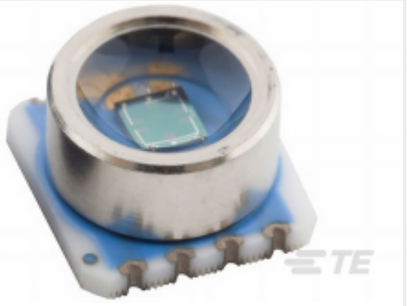
TE Part # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL

Also in the Series | NEOHM CPF



Surface Mount Resistors(5842)

Customers Also Bought



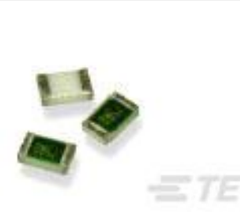
TE Part #325412000-00
MS5412 12BAR ABSOLUTE BOARD MNT SENSOR



TE Part #143060-000
1330-0600-10



TE Part #1241050-2
2x2P MOD II BREAK AWAY HDR,SMD, BLISTER



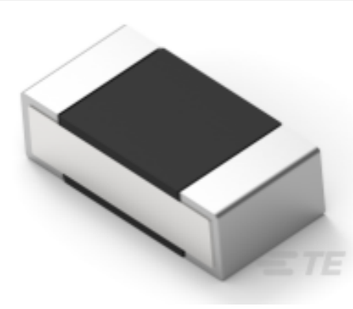
TE Part #1-1614959-3
CPF0805 1M8 0.1% 25PPM 1K RL



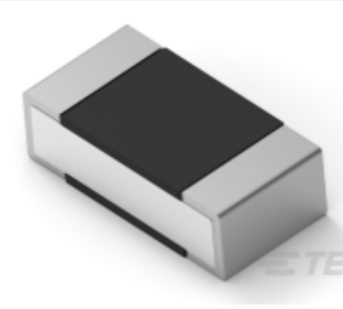
TE Part #1-1614959-4
CPF0805 2M0 0.1% 25PPM 1K RL



TE Part #1-2176230-3
3522 8R2 5% 3W



TE Part #8-2176307-4
RP 1E 0.1W 90K9 0.1% 25PPM 5K RL



TE Part #9-2176312-4
RP 1E 0.1W 115K 0.1% 25PPM 1K RL



TE Part #3-2176325-0
CRGP 0402 2K7 1%



TE Part #1-2176330-7
CRGP 2010 220R 1%

Documents

Product Drawings

CPF A 0402 51K 0.1% 25PPM 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2176215-1_BA.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_4-2176215-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2176215-1_BA.3d_igs.zip

English

3D PDF

3D

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