



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Element Type: **Thin Film**
Package Size Code: **0402**
Power Rating: **.063 W**
Resistance Value: **866 Ω**

Features

Industry Standards

Moisture Sensitivity Level	1
----------------------------	---

Electrical Characteristics

Operating Voltage	25 V
Power Rating	.063 W
Resistance Value	866 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	.1 %

Product Type Features

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

Configuration Features

Number of Resistors	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
-------------------------	------------

Packaging Features

Packaging Method	Taped & Reeled
------------------	----------------

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

CPF0402B866RE1

Surface Mount Precision Resistor, Thin Film, 0402, .063 W, 866 ohm, .1 %, ±25 ppm/°C, Solder, 2 Terminations, Height .3 mm [.012 in], Neohm CPF



TE Part # 7-1879210-7
CPF 0402 866R 0.1% 25PPM 5K 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 # 1-1614959-4
CPF0805 2M0 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 #5-534204-1
50 MODU 2-PC CE RECP ASSY, RoHS

TE Part #321827
TERMINAL,SOLIS R 14-12 8

TE Part #180599
SOLIS 8 WIRE PIN

TE Part #321828
TERMINAL,SOLIS R 14-12 10

TE Part #4-1825136-9
A101SYZQ04

TE Part #7-1614894-7
CPF0805 2M0 0.1% 25PPM 5K RL

TE Part #1622556-1
LR1 1% 6K81

TE Part #1676914-9
YR1 0.1% 383R



Documents

Product Drawings

[CPF 0402 866R 0.1% 25PPM 1K RL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-1879214-1_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1879214-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1879214-1_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