



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Number of Terminations: **2**
Package Size Code: **0402**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **.1 %**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
---------------------	---

Electrical Characteristics

Passive Component Tolerance	.1 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	147K Ω
Power Rating	.063 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



Dimensions

Passive Component Dimensions	1 x .5 x .3 mm
------------------------------	----------------

Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$
Temperature Coefficient	± 25 ppm/ $^{\circ}\text{C}$

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 2023 (235) 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 $^{\circ}\text{C}$

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

CPF0402B147KE1

147K Ω , Thin Film, Precision Resistor, .1 %, 2 Termination, 0402, Taped & Reeled, .063 W, ± 25 ppm/ $^{\circ}\text{C}$, Solder, 1 x .5 x .3 mm, Neohm CPF



TE Part # 1-2176280-5
CPF 0402 143K 0.1% 25PPM 1K RL

TE Part # 1-2176280-7
CPF 0402 158K 0.1% 25PPM 1K RL

Also in the Series | Neohm CPF

Surface Mount Resistors(6124)

Customers Also Bought

TE Part #5747836-4
09 MSFL RCPT RA 590 (IN,FM,BL)

TE Part #5-102202-1
04 MODII HDR SRST SHRD LF

TE Part #1-5353190-0
.6FHR04H,140,S,GIG,08/Sn,TR,NSYes

TE Part #2042274-2
ELCON MINI 2P VERT HEADER,W/O CODING

TE Part #5-1879215-2
CPF 0402 15K4 0.1% 25PPM 1K RL

TE Part #5-1879214-6
CPF 0402 1K33 0.1% 25PPM 1K RL

TE Part #8-1879214-7
CPF 0402 2K94 0.1% 25PPM 1K RL

TE Part #9-1879215-3
CPF 0402 42K2 0.1% 25PPM 1K RL

TE Part #9-1879215-7
CPF 0402 46K4 0.1% 25PPM 1K RL

TE Part #1676416-2
RN 0805 6K49 0.1% 10PPM 1KRL



Documents

Product Drawings

CPF 0402 147K 0.1% 25PPM 1K RL

English

Datasheets & Catalog Pages

CPF-1016

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English