



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

Voltage Rating	25 V
Passive Component Tolerance	.1 %
Resistance Class	1k $\Omega$ – 1M $\Omega$
Resistance Value	12K $\Omega$
Power Rating	.0625 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	$\pm 25$ 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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

CPF-A-0402B12KE

12K  $\Omega$ , Thin Film, Precision Resistor, .1 %, 2 Termination, 0402, Taped & Reeled, .0625 W,  $\pm 25$  ppm/ $^{\circ}\text{C}$ , Solder, 1 x .5 x .3 mm, Neohm CPF



TE Part # 4-2176236-8  
CPF A 0402 100K 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF

Surface Mount Resistors(6124)

Customers Also Bought

TE Part #9-1625971-5  
HSA25 R01 10%

TE Part #2337238-3  
TACT MINI GW 5.2X5.2X2 160GF

TE Part #3-2176307-2  
RP 1E 0.1W 26K1 0.1% 25PPM 5K RL

TE Part #7-2176305-3  
RP 1E 0.1W 604R 0.1% 25PPM 5K RL

TE Part #2-2176392-9  
RQ 1206 261K 0.1% 10PPM 5K RL

TE Part #1-1879353-9  
RR02 5% 24K AMMO

TE Part #7-1879354-5  
RR03 5% 390R AMMO

TE Part #1-830611-0  
LGH 1/2 SNGL MLD END

TE Part #3-1437162-8  
FSP-12A-11



Documents

Product Drawings

CPF A 0402 12K 0.1% 25PPM 5K RL

English

Datasheets & Catalog Pages

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

English