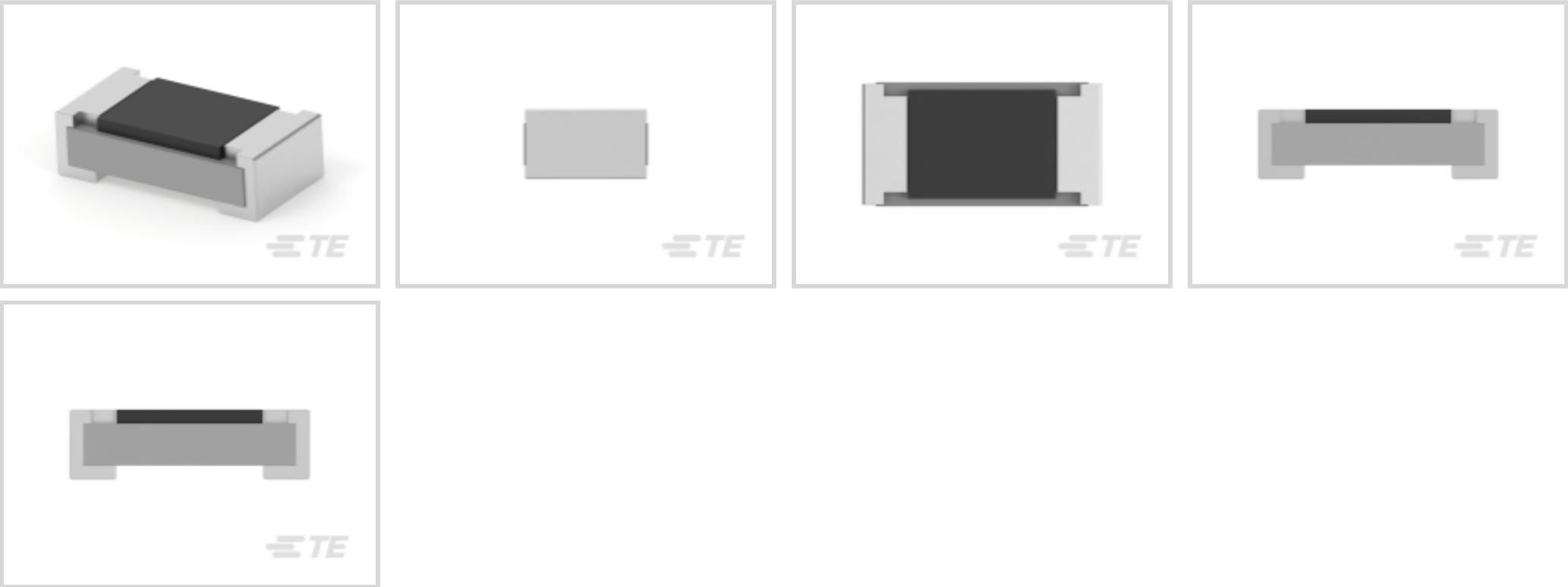




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: Precision Resistor

Element Type: Thin Film

Package Size Code: 0603

Power Rating: .0625 W

Resistance Value: 47 Ω

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0603

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	50 V
Power Rating	.0625 W
Resistance Value	47 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	.45 mm[.018 in]
Product Length	1.55 mm[.061 in]
Product Width	.8 mm[.031 in]

Usage Conditions

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

Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

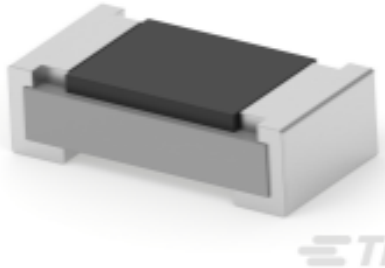
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) Does not 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

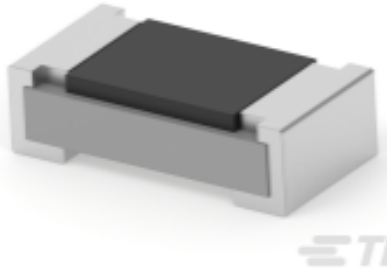
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





TE Part # 1-2176237-2
CPF A 0603 75R 0.1% 25PPM 5K RL



TE Part # 2176237-9
CPF A 0603 39R 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF



Surface Mount Resistors(6124)

Customers Also Bought



TE Part # 353908-5
CT REC HSG 5P CRIMP TYPE WHITE



TE Part # 7-2176230-8
3522 2M2 5% 3W



TE Part # 3-641210-2
02P MTA156 HDR FLRA FB 30AU LF



TE Part # 2-320665-1
PG SPD 22-16 COMM 22-18 MIL 6



TE Part # 8-1614353-9
RN 0603 499R 0.1% 10PPM CUT LENGTH



TE Part # 1-534237-1
13 MODII VRT SR CE 100/115



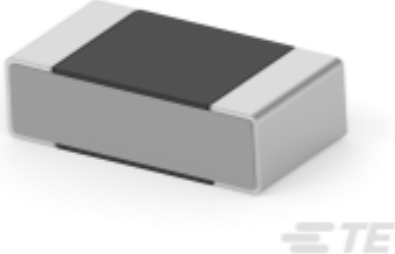
TE Part # 5-1625867-5
RP 1J 0.166W 22R6 0.1% 25PPM 1K RL



TE Part # 390088-1
BLACK HSG WITH 30AU CONTACT



TE Part # 5-146277-2
02 MODII HDR SRST B/A .100CL



TE Part # 5-1879207-0
RN 0603 499K 0.1% 10PPM 1K RL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176237-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176237-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176237-0_A.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